

L21 ANSWER 1 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:603608 CAPLUS

DOCUMENT NUMBER: 138:24377

TITLE: Highly regioselective solid-state photodimerization of naphthoquinolizinium salts

AUTHOR(S): Ihmels, Heiko; Mohrschladt, Christian J.; Schmitt, Andreas; Bressanini, Milena; Leusser, Dirk; Stalke, Dietmar

CORPORATE SOURCE: Inst. of Org. Chem., Univ. of Wuerzburg, Wuerzburg, 97074, Germany

SOURCE: European Journal of Organic Chemistry (2002), (15), 2624-2632

CODEN: EJOCFK; ISSN: 1434-193X

PUBLISHER: Wiley-VCH Verlag GmbH

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 138:24377

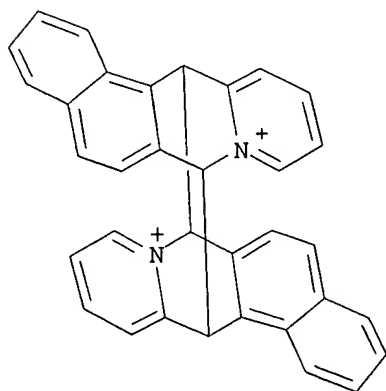
IT 477951-66-9P 477951-67-0P

RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); PROC (Process); RACT (Reactant or reagent)

(photocycloreversion; highly regioselective solid-state photodimerization of naphthoquinolizinium salts and electron-transfer-mediated photocycloreversion of the photodimers)

RN 477951-66-9 CAPLUS

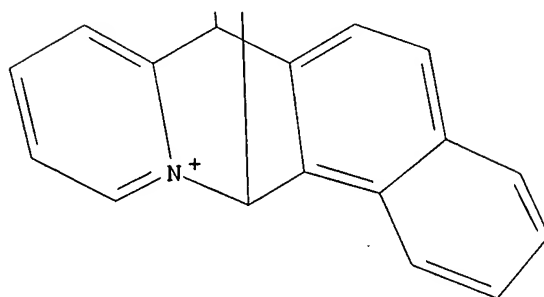
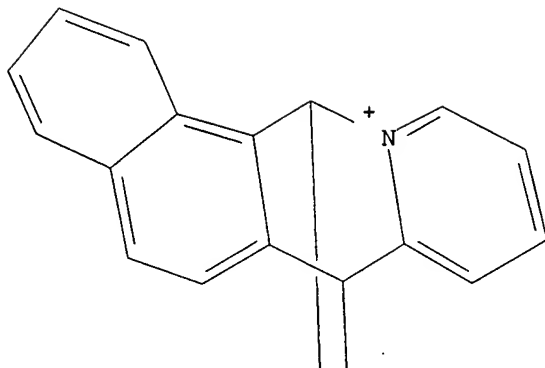
CN 7,16[1',2']:8,15[2'',1'']-Dipyridiniocycloocta[1,2-a:5,6-a']dinaphthalene, 7,8,15,16-tetrahydro-, dibromide (9CI) (CA INDEX NAME)



●2 Br<sup>-</sup>

RN 477951-67-0 CAPLUS

CN 7,16[2',1']:8,15[1'',2'']-Dipyridiniocycloocta[1,2-a:5,6-a']dinaphthalene, 7,8,15,16-tetrahydro-, dibromide (9CI) (CA INDEX NAME)



● 2 Br<sup>-</sup>

REFERENCE COUNT: 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 2 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:542671 CAPLUS

DOCUMENT NUMBER: 137:360218

TITLE: Differential scanning calorimetry in studies of solid-state reactions in photochromic materials

AUTHOR(S): Sliwiska, Ewa; Sworakowski, Juliusz; Ihmels, Heiko

CORPORATE SOURCE: Wroclaw University of Technology, Institute of Physical and Theoretical Chemistry, Wroclaw, 50-370, Pol.

SOURCE: Journal of Photochemistry and Photobiology, A: Chemistry (2002), 151(1-3), 83-88

CODEN: JPPCEJ; ISSN: 1010-6030

PUBLISHER: Elsevier Science B.V.

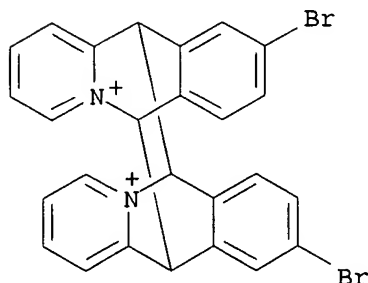
DOCUMENT TYPE: Journal  
LANGUAGE: English

IT 239465-74-8

RL: CPS (Chemical process); FMU (Formation, unclassified); PEP (Physical, engineering or chemical process); RCT (Reactant); FORM (Formation, nonpreparative); PROC (Process); RACT (Reactant or reagent)  
(differential scanning calorimetry in studies of solid-state reactions in photochromic materials)

RN 239465-74-8 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 19,24-dibromo-6,7,13,14-tetrahydro-, dibromide (9CI) (CA INDEX NAME)



● 2 Br<sup>-</sup>

REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 3 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2001:297300 CAPLUS

DOCUMENT NUMBER: 135:92336

TITLE: Solid-state photodimerization of 9-substituted acridizinium salts - selectivity by directional  $\pi$  stacking

AUTHOR(S): Ihmels, Heiko; Leusser, Dirk; Pfeiffer, Matthias; Stalke, Dietmar

CORPORATE SOURCE: Institutes of Organic Chemistry, University of Wurzburg, Wurzburg, D-97074, Germany

SOURCE: Molecular Crystals and Liquid Crystals Science and Technology, Section A: Molecular Crystals and Liquid Crystals (2001), 356, 433-441

CODEN: MCLCE9; ISSN: 1058-725X

PUBLISHER: Gordon & Breach Science Publishers

DOCUMENT TYPE: Journal

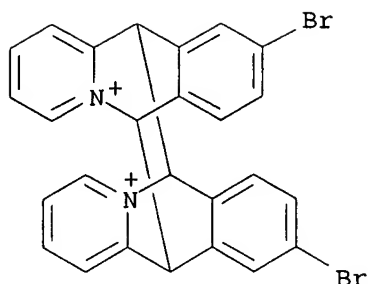
LANGUAGE: English

IT 239465-74-8

RL: FMU (Formation, unclassified); FORM (Formation, nonpreparative)  
(solid-state photodimerization of 9-substituted acridizinium salts)

RN 239465-74-8 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 19,24-dibromo-6,7,13,14-tetrahydro-, dibromide (9CI) (CA INDEX NAME)



● 2 Br<sup>-</sup>

REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

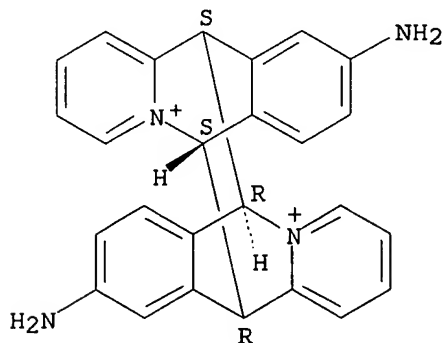
L21 ANSWER 4 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:579178 CAPLUS  
 DOCUMENT NUMBER: 133:283000  
 TITLE: New dyes based on amino-substituted acridizinium salts  
 - synthesis and exceptional photochemical properties  
 AUTHOR(S): Ihmels, Heiko; Engels, Bernd; Faulhaber, Katja;  
 Lennartz, Christian  
 CORPORATE SOURCE: Institut für Organische Chemie, Universität Würzburg,  
 Würzburg, 97074, Germany  
 SOURCE: Chemistry--A European Journal (2000), 6(15),  
 2854-2864  
 CODEN: CEUJED; ISSN: 0947-6539  
 PUBLISHER: Wiley-VCH Verlag GmbH  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

IT 300394-53-0P 300394-54-1P 300394-56-3P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (photodimer formation of amino-substituted acridizinium cyanine dyes)  
 RN 300394-53-0 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
 e][1,5]diazocinedium, 19,24-diamino-6,7,13,14-tetrahydro-,  
 (6R,7S,13S,14R)-rel-, bis[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 217971-53-4  
 CMF C26 H22 N4

Relative stereochemistry.

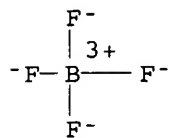


CM 2

CRN 14874-70-5

CMF B F4

CCI CCS



RN 300394-54-1 CAPLUS

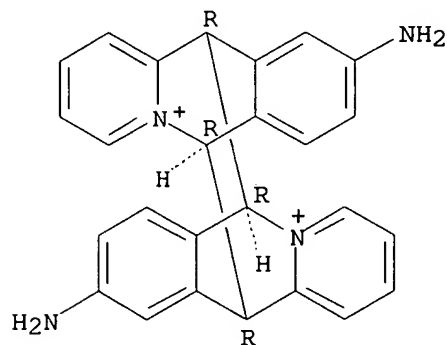
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 19,24-diamino-6,7,13,14-tetrahydro-, (6R,7R,13R,14R)-rel-, bis[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 217971-40-9

CMF C26 H22 N4

Relative stereochemistry.

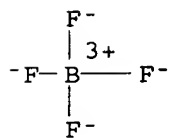


CM 2

CRN 14874-70-5

CMF B F4

CCI CCS



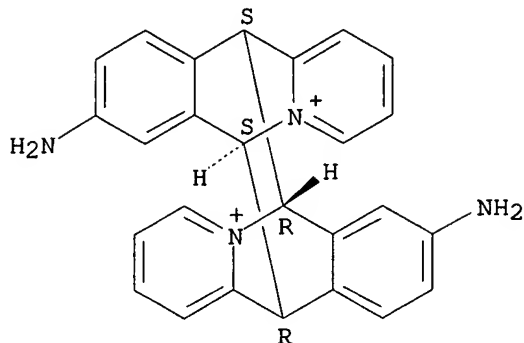
RN 300394-56-3 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 18,26-diamino-6,7,13,14-tetrahydro-, (6R,7S,13S,14R)-rel-, bis[tetrafluoroborate(1-)] (9CI) (CA INDEX NAME)

CM 1

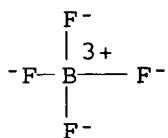
CRN 300394-55-2  
CMF C26 H22 N4

Relative stereochemistry.



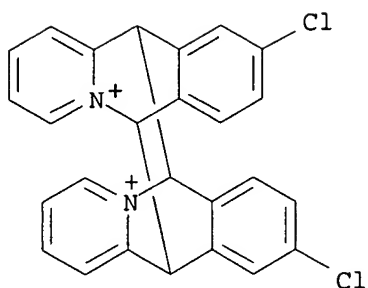
CM 2

CRN 14874-70-5  
CMF B F4  
CCI CCS



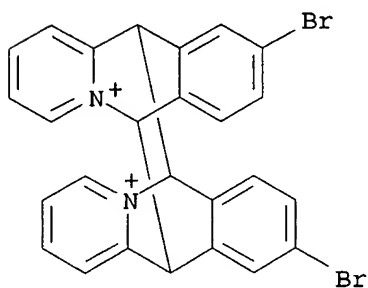
REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 5 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1999:420042 CAPLUS  
DOCUMENT NUMBER: 131:184880  
TITLE: Regioselective Photodimerization of 9-Substituted  
Acridizinium Salts in the Solid State  
AUTHOR(S): Ihmels, Heiko; Leusser, Dirk; Pfeiffer, Matthias;  
Stalke, Dietmar  
CORPORATE SOURCE: Institutes of Organic Chemistry and Inorganic  
Chemistry, University of Wuerzburg, Wuerzburg,  
D-97074, Germany  
SOURCE: Journal of Organic Chemistry (1999), 64(15),  
5715-5718  
CODEN: JOCEAH; ISSN: 0022-3263  
PUBLISHER: American Chemical Society  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 131:184880  
IT 239465-73-7P 239465-74-8P 239465-76-0P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)  
RN 239465-73-7 CAPLUS  
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
e][1,5]diazocinedium, 19,24-dichloro-6,7,13,14-tetrahydro-, dibromide  
(9CI) (CA INDEX NAME)



●2 Br<sup>-</sup>

RN 239465-74-8 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 19,24-dibromo-6,7,13,14-tetrahydro-, dibromide (9CI) (CA INDEX NAME)

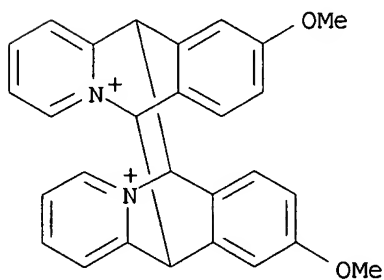


●2 Br<sup>-</sup>

RN 239465-76-0 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 6,7,13,14-tetrahydro-19,24-dimethoxy-, diperchlorate (9CI) (CA INDEX NAME)

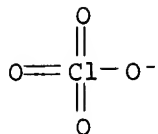
CM 1

CRN 239465-75-9  
 CMF C28 H24 N2 O2



CM 2

CRN 14797-73-0  
CMF C1 04



REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 6 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:217449 CAPLUS

DOCUMENT NUMBER: 131:65702

TITLE: Photorheological Effects in Aqueous Micellar Tetramethylammoniumhydrogen-2-dodecyl Malonate via Photodimerization of Acridizinium Bromide

AUTHOR(S): Lehnberger, Christoph; Wolff, Thomas

CORPORATE SOURCE: Institut für Physikalische Chemie und Elektrochemie, Technische Universität Dresden, Dresden, D-01062, Germany

SOURCE: Journal of Colloid and Interface Science (1999), 213(1), 187-192

CODEN: JCISA5; ISSN: 0021-9797

PUBLISHER: Academic Press

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 227765-93-7 227765-95-9 227765-97-1

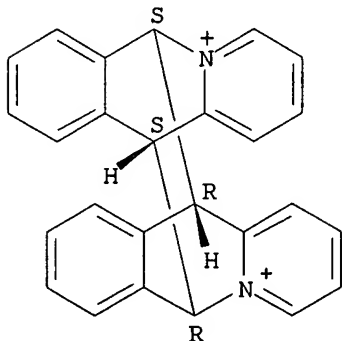
227766-01-0

RL: PEP (Physical, engineering or chemical process); PROC (Process) (photorheol. effects in aqueous micellar tetramethylammoniumhydrogen-2-dodecyl malonate via photodimerization of acridizinium bromide)

RN 227765-93-7 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, (6R,7S,13S,14R)-rel- (9CI) (CA INDEX NAME)

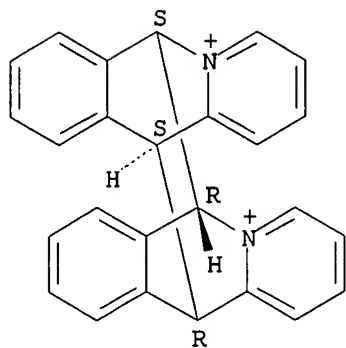
Relative stereochemistry.



RN 227765-95-9 CAPLUS

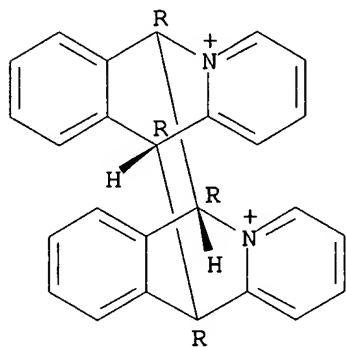
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-d:2',1'-h][1,4]diazocinedium, 6,7,13,14-tetrahydro-, (6R,7S,13S,14R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



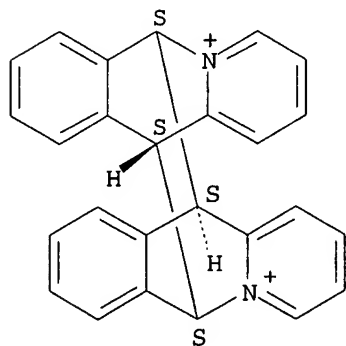
RN 227765-97-1 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-d:2',1'-  
 h][1,4]diazocinediium, 6,7,13,14-tetrahydro-, (6R,7R,13R,14R)-rel- (9CI)  
 (CA INDEX NAME)

Relative stereochemistry.



RN 227766-01-0 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
 e][1,5]diazocinediium, 6,7,13,14-tetrahydro-, (6R,7R,13R,14R)-rel- (9CI)  
 (CA INDEX NAME)

Relative stereochemistry.

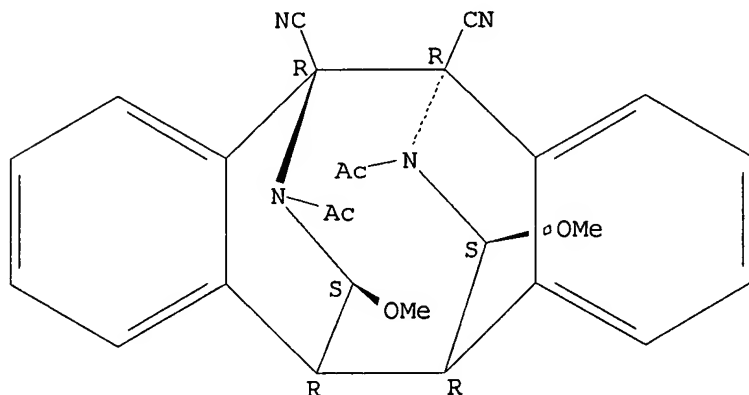


REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 7 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1999:2996 CAPLUS  
 DOCUMENT NUMBER: 130:168211

TITLE: Synthesis and stereochemistry of 3,7-diazatricyclo[4.2.2.2<sup>2,2,5</sup>]dodeca-9,11-dienes derived by [4+4] cycloaddimerization of 2,3-dihydroisoquinoline derivatives  
 AUTHOR(S): Sugiura, Michiharu; Asai, Koosuke; Hamada, Yoshiki; Hatano, Keiichiro; Kurono, Yukihiisa; Suezawa, Hiroko; Hirota, Minoru  
 CORPORATE SOURCE: Faculty of Pharmacy, Meijo University, Nagoya, 468-8503, Japan  
 SOURCE: Chemical & Pharmaceutical Bulletin (1998), 46(12), 1862-1865  
 CODEN: CPBTAL; ISSN: 0009-2363  
 PUBLISHER: Pharmaceutical Society of Japan  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 130:168211  
 IT 220389-72-0P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and properties of 3,7-diazatricyclo[4.2.2.2<sup>2,2,5</sup>]dodeca-9,11-dienes)  
 RN 220389-72-0 CAPLUS  
 CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene-11,12-dicarbonitrile, 13,15-diacetyl-5,6-dihydro-14,16-dimethoxy-, (5R,6R,11R,12R,14S,16S)-rel-, compd. with benzene and dichloromethane (2:1:1) (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 220389-66-2  
 CMF C26 H24 N4 O4

Relative stereochemistry.



CM 2  
 CRN 75-09-2  
 CMF C H2 C12

C1-CH<sub>2</sub>-C1

CM 3  
 CRN 71-43-2  
 CMF C6 H6



IT 220389-66-2P

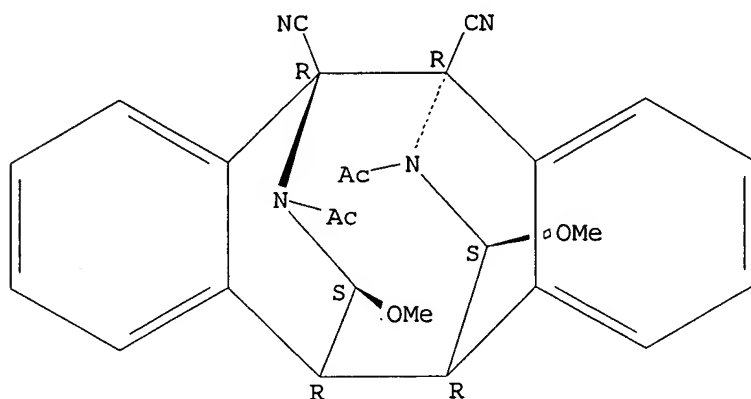
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and properties of 3,7-diazatricyclo[4.2.2.2,5]dodeca-9,11-dienes)

RN 220389-66-2 CAPLUS

CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene-11,12-dicarbonitrile, 13,15-diacetyl-5,6-dihydro-14,16-dimethoxy-, (5R,6R,11R,12R,14S,16S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 220389-67-3P 220389-68-4P 220389-69-5P

220389-70-8P 220389-71-9P

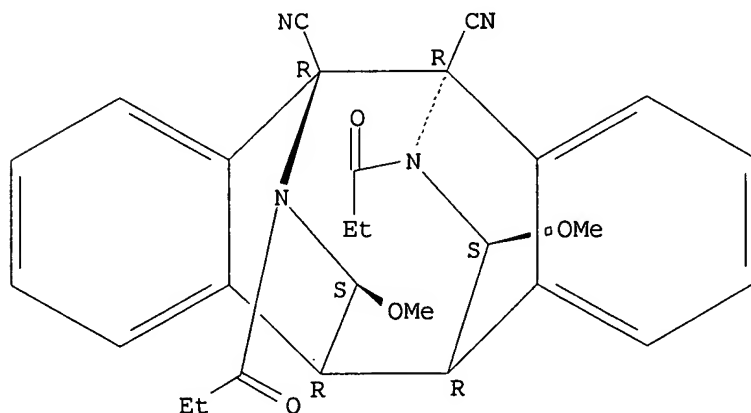
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation and properties of 3,7-diazatricyclo[4.2.2.2,5]dodeca-9,11-dienes)

RN 220389-67-3 CAPLUS

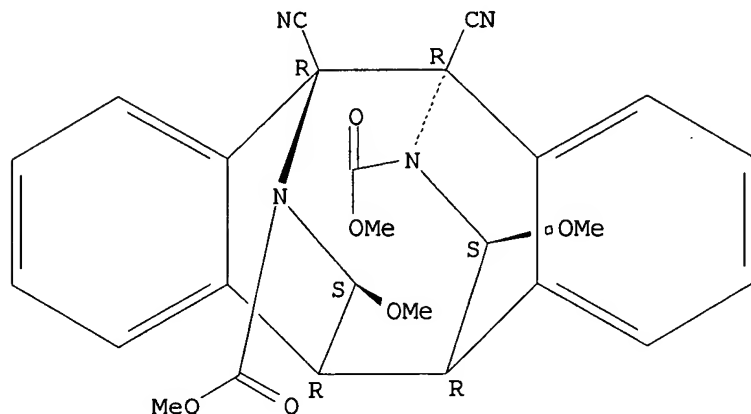
CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene-11,12-dicarbonitrile, 5,6-dihydro-14,16-dimethoxy-13,15-bis(1-oxopropyl)-, (5R,6R,11R,12R,14S,16S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



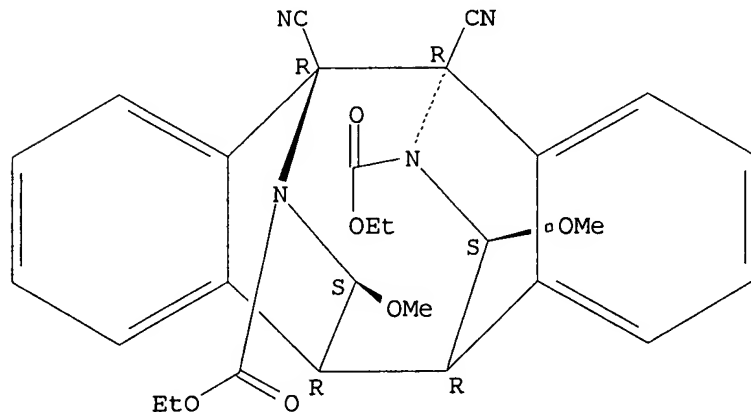
RN 220389-68-4 CAPLUS  
 CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene-13,15-dicarboxylic acid, 11,12-dicyano-5,6,11,12-tetrahydro-14,16-dimethoxy-, dimethyl ester, (5R,6R,11R,12R,14S,16S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



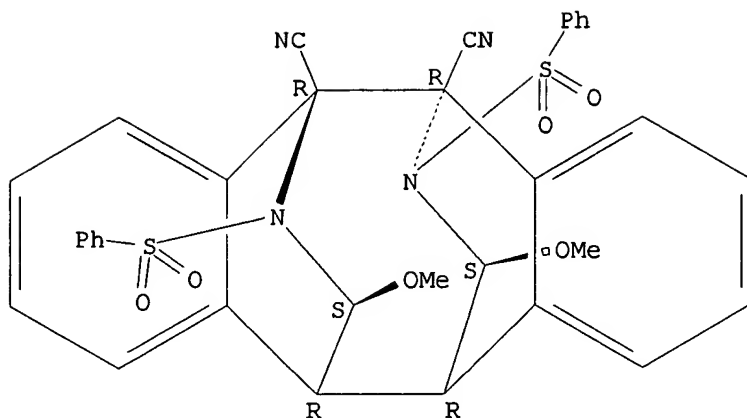
RN 220389-69-5 CAPLUS  
 CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene-13,15-dicarboxylic acid, 11,12-dicyano-5,6,11,12-tetrahydro-14,16-dimethoxy-, diethyl ester, (5R,6R,11R,12R,14S,16S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



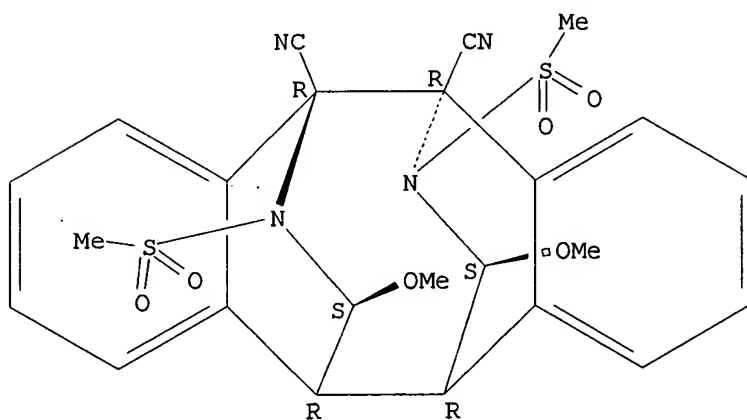
RN 220389-70-8 CAPLUS  
 CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene-11,12-dicarbonitrile, 5,6-dihydro-14,16-dimethoxy-13,15-bis(phenylsulfonyl)-, (5R,6R,11R,12R,14S,16S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 220389-71-9 CAPLUS  
 CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene-11,12-dicarbonitrile,  
 5,6-dihydro-14,16-dimethoxy-13,15-bis(methylsulfonyl)-,  
 (5R,6R,11R,12R,14S,16S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 8 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1998:732799 CAPLUS  
 DOCUMENT NUMBER: 130:66423  
 TITLE: Synthesis and enhanced regioselectivity in the photodimerization of 9-aminoacridizinium perchlorate  
 AUTHOR(S): Ihmels, Heiko  
 CORPORATE SOURCE: Inst. fur Organische Chemie, Univ. Wurzburg, Wurzburg, D-97072, Germany  
 SOURCE: Tetrahedron Letters (1998), 39(47), 8641-8642  
 CODEN: TELEAY; ISSN: 0040-4039  
 PUBLISHER: Elsevier Science Ltd.  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 130:66423  
 IT 217971-41-0P 217971-54-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (regioselective photodimerization of aminoacridizinium perchlorate)  
 RN 217971-41-0 CAPLUS

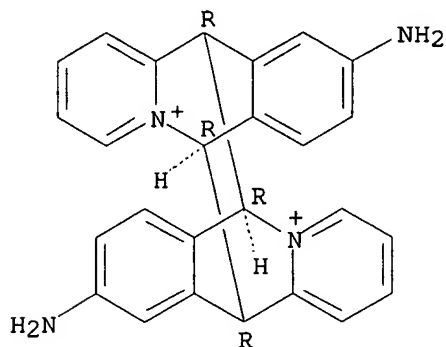
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 19,24-diamino-6,7,13,14-tetrahydro-, (6R,7R,13R,14R)-rel-, diperchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 217971-40-9

CMF C26 H22 N4

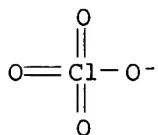
Relative stereochemistry.



CM 2

CRN 14797-73-0

CMF Cl O4



RN 217971-54-5 CAPLUS

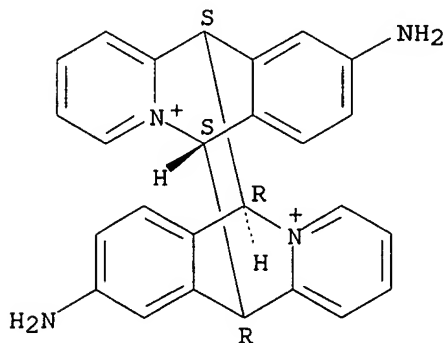
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 19,24-diamino-6,7,13,14-tetrahydro-, (6R,7S,13S,14R)-rel-, diperchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 217971-53-4

CMF C26 H22 N4

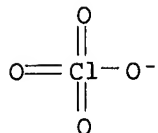
Relative stereochemistry.



CM 2

CRN 14797-73-0

CMF Cl 04



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 9 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:692889 CAPLUS

DOCUMENT NUMBER: 128:3620

TITLE: Regioisomers in the photodimerization of acridizinium bromide

AUTHOR(S): Lehnberger, Christopher; Scheller, Dieter; Wolff, Thomas

CORPORATE SOURCE: Technische universitat Dresden, Institut fur Physikalische Chemie und Elektrochemie, Dresden, D-01062, Germany

SOURCE: Heterocycles (1997), 45(10), 2033-2039

CODEN: HTCYAM; ISSN: 0385-5414

PUBLISHER: Japan Institute of Heterocyclic Chemistry

DOCUMENT TYPE: Journal

LANGUAGE: English

IT 198474-60-1P 198474-62-3P 198474-63-4P

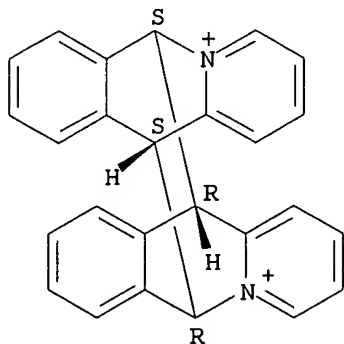
198474-64-5P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(photodimerization of acridizinium bromide)

RN 198474-60-1 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, dibromide, (6 $\alpha$ ,7 $\beta$ ,13 $\beta$ ,14 $\alpha$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



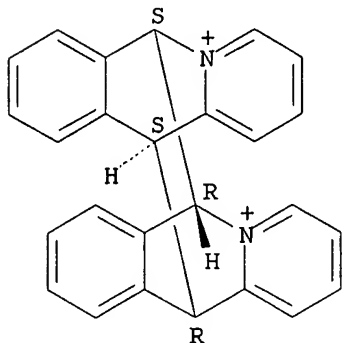
●2 Br<sup>-</sup>

RN 198474-62-3 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-d:2',1'-

h) [1,4]diazocinediium, 6,7,13,14-tetrahydro-, dibromide,  
(6 $\alpha$ ,7 $\alpha$ ,13 $\alpha$ ,14 $\alpha$ )- (9CI) (CA INDEX NAME)

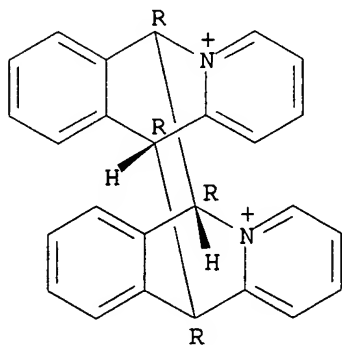
Relative stereochemistry.



●2 Br<sup>-</sup>

RN 198474-63-4 CAPLUS  
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-d:2',1'-  
h) [1,4]diazocinediium, 6,7,13,14-tetrahydro-, dibromide,  
(6 $\alpha$ ,7 $\beta$ ,13 $\beta$ ,14 $\alpha$ )- (9CI) (CA INDEX NAME)

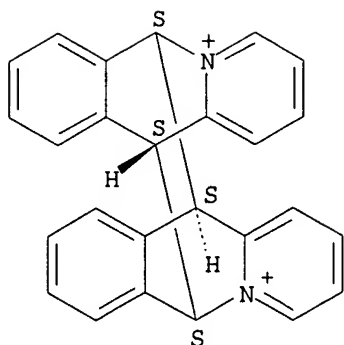
Relative stereochemistry.



●2 Br<sup>-</sup>

RN 198474-64-5 CAPLUS  
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
e] [1,5]diazocinediium, 6,7,13,14-tetrahydro-, dibromide,  
(6 $\alpha$ ,7 $\alpha$ ,13 $\alpha$ ,14 $\alpha$ )- (9CI) (CA INDEX NAME)

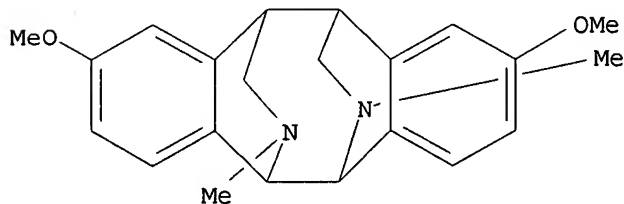
Relative stereochemistry.



● 2 Br<sup>-</sup>

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L21 ANSWER 10 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1996:678689 CAPLUS  
 DOCUMENT NUMBER: 126:13226  
 TITLE: Crystal structure of (5R\*,6R\*,11S\*,12S\*)-3,8-dimethoxy-14,16-dimethyl-5,6,11,12-tetrahydro-5,12,6,11-bis(iminomethano)dibenz[a,e]cyclooctane, C<sub>22</sub>H<sub>26</sub>N<sub>2</sub>O<sub>2</sub>  
 AUTHOR(S): Argay, G.; Kalman, A.  
 CORPORATE SOURCE: Central Research Institute Chemistry, Hungarian Academy Sciences, Budapest, H-1525, Hung.  
 SOURCE: Zeitschrift fuer Kristallographie (1996), 211(10), 721-722  
 CODEN: ZEKRDZ; ISSN: 0044-2968  
 PUBLISHER: Oldenbourg  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 156634-87-6  
 RL: PRP (Properties)  
 (crystal structure of)  
 RN 156634-87-6 CAPLUS  
 CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene, 5,6,11,12-tetrahydro-3,8-dimethoxy-13,15-dimethyl-, (5 $\alpha$ ,6 $\beta$ ,11 $\beta$ ,12 $\alpha$ )-(9CI) (CA INDEX NAME)



L21 ANSWER 11 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995:137647 CAPLUS  
 DOCUMENT NUMBER: 122:31251  
 TITLE: One-step synthesis and some reactions of ethyl 10-(ethoxycarbonyl-3,4-dimethylpyrrol-2-yl)-1,2-dimethylpyrrol[1,2-b]isoquinoline-3-carboxylate  
 AUTHOR(S): Li, Ming; Yao, Yiming; chen, Yu; Xu, Zheng; You, Xizozeng; Huang, Xiaoying

CORPORATE SOURCE: Coordination Chem. Inst., Nanjing Univ., Nanjing, 210093, Peop. Rep. China

SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1994), (19), 2787-9  
CODEN: JCPRB4; ISSN: 0300-922X

DOCUMENT TYPE: Journal

LANGUAGE: English

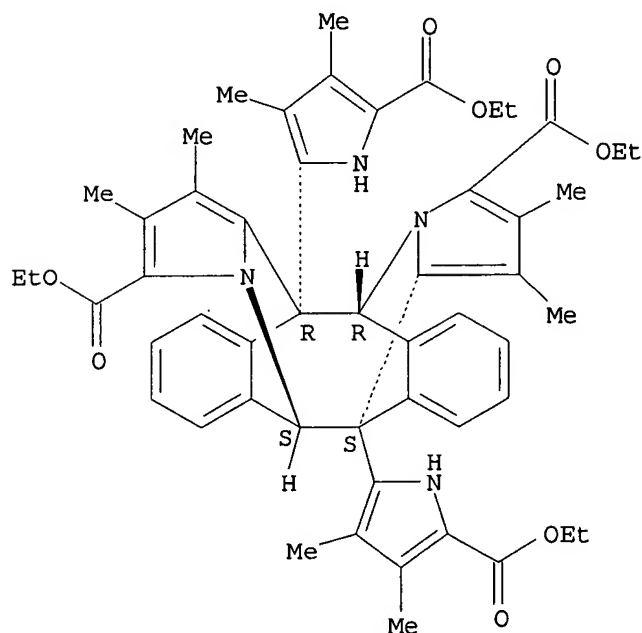
OTHER SOURCE(S): CASREACT 122:31251

IT 159618-51-6P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and crystal structure of)

RN 159618-51-6 CAPLUS

CN 19H-5,12[1',2']-Benzeno-6,11[2',1']-endo-pyrrolopyrrolo[1,2-c][3]benzazocine-3,23-dicarboxylic acid, 6,12-bis[5-(ethoxycarbonyl)-3,4-dimethyl-1H-pyrrol-2-yl]-5,6,11,12-tetrahydro-1,2,21,22-tetramethyl-, dimethyl ester, (5 $\alpha$ ,6 $\alpha$ ,11 $\beta$ ,12 $\beta$ )- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L21 ANSWER 12 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1994:508568 CAPLUS

DOCUMENT NUMBER: 121:108568

TITLE: The spontaneous cyclodimerization of 2,3-dihydroisoquinolines after base promoted elimination of methanol from 4-methoxy-1,2,3,4-tetrahydroisoquinolines

AUTHOR(S): Simig, Glyula; Schlosser, Manfred

CORPORATE SOURCE: Inst. Chim., Univ. Rue de la Barre, Lausanne, CH-1005, Switz.

SOURCE: Tetrahedron Letters (1994), 35(19), 3081-2  
CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

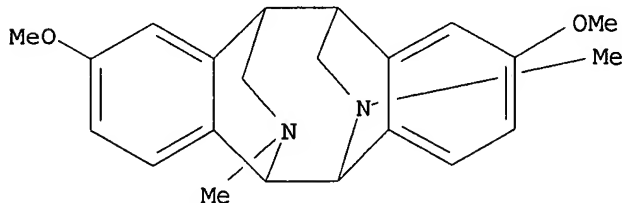
OTHER SOURCE(S): CASREACT 121:108568

IT 156634-87-6P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and crystal and mol. structure of)

RN 156634-87-6 CAPLUS

CN 11,6:12,5-Bis(iminomethano)dibenzo[a,e]cyclooctene, 5,6,11,12-tetrahydro-  
3,8-dimethoxy-13,15-dimethyl-, (5 $\alpha$ ,6 $\beta$ ,11 $\beta$ ,12 $\alpha$ )-  
(9CI) (CA INDEX NAME)

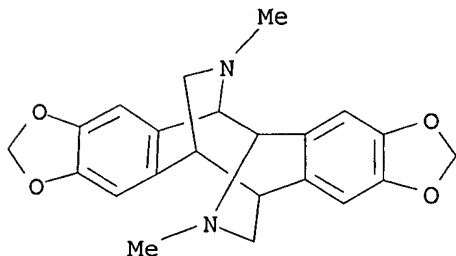


IT 156634-88-7P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 156634-88-7 CAPLUS

CN 12,6:13,5-Bis(iminomethano)cycloocta[1,2-f:5,6-f']bis[1,3]benzodioxole,  
5,6,12,13-tetrahydro-15,17-dimethyl-, (5 $\alpha$ ,6 $\beta$ ,12 $\beta$ ,13 $\alpha$ )-  
(9CI) (CA INDEX NAME)



L21 ANSWER 13 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1991:94617 CAPLUS

DOCUMENT NUMBER: 114:94617

TITLE: MK-801 analogs: molecular properties required for  
recognition by the N-methyl-D-aspartate receptor

AUTHOR(S): Leeson, P. D.; James, K.; Carling, R. W.; Wong, E. H.  
F.; Baker, R.

CORPORATE SOURCE: Merck Sharp and Dohme Res. Lab., Neurosci. Res. Cent.,  
Harlow/Essex, CM20 2QR, UK

SOURCE: Progress in Clinical and Biological Research (  
1990), 361(Curr. Future Trends Anticonvulsant,  
Anxiety, Stroke Ther.), 513-18  
CODEN: PCBRD2; ISSN: 0361-7742

DOCUMENT TYPE: Journal

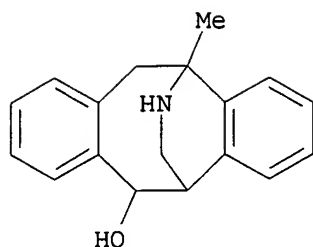
LANGUAGE: English

IT 120903-16-4

RL: BIOL (Biological study)  
(brain methylaspartate receptor binding of, structure in relation to)

RN 120903-16-4 CAPLUS

CN 12,5-(Iminomethano)dibenzo[a,e]cycloocten-6-ol, 5,6,11,12-tetrahydro-12-  
methyl-, (5 $\alpha$ ,6 $\alpha$ ,12 $\alpha$ )- (9CI) (CA INDEX NAME)



L21 ANSWER 14 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1991:62424 CAPLUS

DOCUMENT NUMBER: 114:62424

TITLE: Preparation and reactions of a 7,8-epoxymorphinan: formation of a 7,8-unsaturated morphinan and unprecedented conversion to cyclobutylcarbinol derivatives

AUTHOR(S): Finch, Harry; Harwood, Laurence M.; Highcock, Rona; Jackson, Brian; Prout, Keith; Robertson, Graeme; Sewell, Richard C.

CORPORATE SOURCE: Glaxo Group Res., Ware, SG12 0DJ, UK

SOURCE: Synlett (1990), (7), 384-6

CODEN: SYNLES; ISSN: 0936-5214

DOCUMENT TYPE: Journal

LANGUAGE: English

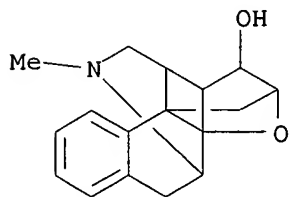
OTHER SOURCE(S): CASREACT 114:62424

IT 131697-63-7P 131697-64-8P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation and crystal structure of)

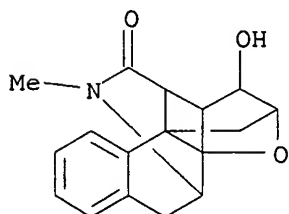
RN 131697-63-7 CAPLUS

CN 4,10-(Iminomethano)-2,9b-methano-9bH-naphtho[2',1':1,4]cyclobuta[1,2-b]furan-1-ol, 1,2,4,5,10,10a-hexahydro-12-methyl-, (1α,2β,3αS\*,4β,9bβ,10β,10αα) - (9CI) (CA INDEX NAME)

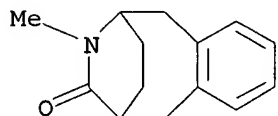


RN 131697-64-8 CAPLUS

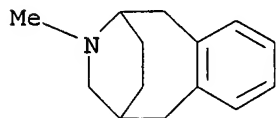
CN 4,10-(Iminomethano)-2,9b-methano-9bH-naphtho[2',1':1,4]cyclobuta[1,2-b]furan-11-one, 1,2,4,5,10,10a-hexahydro-1-hydroxy-12-methyl-, (1α,2β,3αS\*,4β,9bβ,10β,10αα) - (9CI) (CA INDEX NAME)



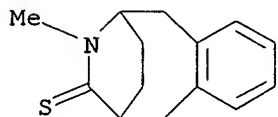
L21 ANSWER 15 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1990:531976 CAPLUS  
 DOCUMENT NUMBER: 113:131976  
 TITLE: Synthesis and reactions of 2,3,5,6-tetrahydro-2,5-ethano-3-benzazocin-4(1H)-one and a thieno-extended analog: x-ray structure of 3-methyl-2,3,5,6-tetrahydro-2,5-ethano[1]benzothieno[3,2-d]azocin-4(1H)-one  
 AUTHOR(S): Iddon, Brian; Redhouse, Alan D.; Yat, Patrick N.  
 CORPORATE SOURCE: Dep. Chem. Appl. Chem., Univ. Salford, Salford, M5 4WT, UK  
 SOURCE: Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1990), (4), 1083-90  
 CODEN: JCPRB4; ISSN: 0300-922X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 113:131976  
 IT 129177-79-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and reduction of)  
 RN 129177-79-3 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-3-methyl- (9CI) (CA INDEX NAME)



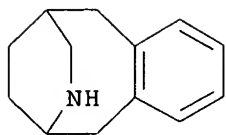
IT 129177-80-6P 129177-84-0P 129177-90-8P  
 129177-92-0P 129177-93-1P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 129177-80-6 CAPLUS  
 CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-3-methyl- (9CI) (CA INDEX NAME)



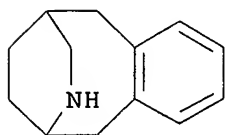
RN 129177-84-0 CAPLUS  
 CN 2,5-Ethano-3-benzazocine-4(1H)-thione, 2,3,5,6-tetrahydro-3-methyl- (9CI)  
 (CA INDEX NAME)



RN 129177-90-8 CAPLUS  
 CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX NAME)

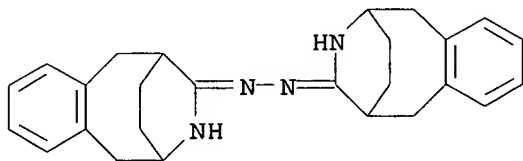


RN 129177-92-0 CAPLUS  
 CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-, hydrochloride (9CI) (CA INDEX NAME)

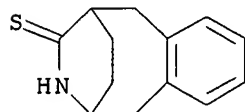


● HCl

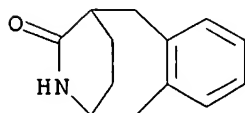
RN 129177-93-1 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-, (1,2,5,6-tetrahydro-2,5-ethano-3-benzazocin-4-yl)hydrazone (9CI) (CA INDEX NAME)



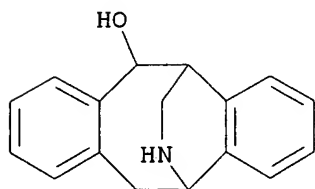
IT 129177-81-7P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation, ethylation and methylation of)  
 RN 129177-81-7 CAPLUS  
 CN 2,5-Ethano-3-benzazocine-4(1H)-thione, 2,3,5,6-tetrahydro- (9CI) (CA INDEX NAME)



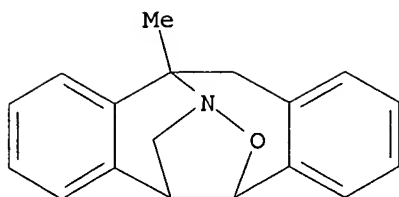
IT 129177-71-5P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation, methylation, reduction and sulfurization of)  
 RN 129177-71-5 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro- (9CI) (CA INDEX NAME)



L21 ANSWER 16 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1990:229296 CAPLUS  
 DOCUMENT NUMBER: 112:229296  
 TITLE: Role of hydrogen bonding in ligand interaction with  
 the N-methyl-D-aspartate receptor ion channel  
 AUTHOR(S): Leeson, Paul D.; Carling, Robert W.; James, Kim;  
 Smith, Julian D.; Moore, Kevin W.; Wong, Erik H. F.;  
 Baker, Raymond  
 CORPORATE SOURCE: Neurosci. Res. Cent., Merck Sharp and Dohme Res. Lab.,  
 Harlow/Essex, CM20 2QR, UK  
 SOURCE: Journal of Medicinal Chemistry (1990),  
 33(5), 1296-305  
 CODEN: JMCMAR; ISSN: 0022-2623  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 126753-45-5  
 RL: BIOL (Biological study)  
 (N-methylaspartate receptor binding by, hydrogen bonding in,  
 ion-channel binding site in relation to)  
 RN 126753-45-5 CAPLUS  
 CN 12,5-(Iminomethano)dibenzo[a,e]cycloocten-6-ol, 5,6,11,12-tetrahydro-,  
 (5 $\alpha$ ,6 $\alpha$ ,12 $\alpha$ )- (9CI) (CA INDEX NAME)



L21 ANSWER 17 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1990:158683 CAPLUS  
 DOCUMENT NUMBER: 112:158683  
 TITLE: Transannular reactions of 5-azido- and  
 5-nitronodibenzo[a,e]cyclooctatrienes and  
 -dibenzo[a,d]cycloheptatrienes. Syntheses of pavine  
 and homoisopavine analogs  
 AUTHOR(S): Leeson, Paul D.; Carling, Robert W.; James, Kim;  
 Baker, Raymond  
 CORPORATE SOURCE: Neurosci. Res. Cent., Merck Sharp and Dohme Res. Lab.,  
 Harlow/Essex, CM20 2QR, UK  
 SOURCE: Journal of Organic Chemistry (1990), 55(7),  
 2103-8  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 112:158683  
 IT 120903-21-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and reduction of)  
 RN 120903-21-1 CAPLUS  
 CN 5,11,6-(Epoxy nitrilomethano)dibenzo[a,e]cyclooctene, 5,6,11,12-tetrahydro-  
 11-methyl- (9CI) (CA INDEX NAME)



IT 125411-79-2P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

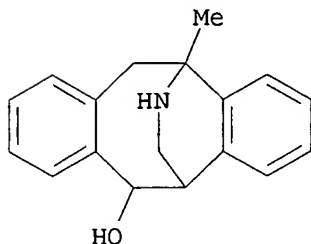
RN 125411-79-2 CAPLUS

CN 12,5-(Iminomethano)dibenzo[a,e]cycloocten-6-ol, 5,6,11,12-tetrahydro-12-methyl-, (5α,6α,12α)-, acetate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 120903-16-4

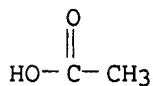
CMF C18 H19 N O



CM 2

CRN 64-19-7

CMF C2 H4 O2



L21 ANSWER 18 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1989:407367 CAPLUS

DOCUMENT NUMBER: 111:7367

TITLE: Synthesis of iminomethanodibenzo[a,e]cyclooctenes by transannular formation and cleavage of isoxazolidines

AUTHOR(S): Carling, Robert W.; Leeson, Paul D.

CORPORATE SOURCE: Neurosci. Res. Cent., Merck Sharp and Dohme Res. Lab., Harlow/Essex, CM20 2QR, UK

SOURCE: Tetrahedron Letters (1988), 29(52), 6985-8

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 111:7367

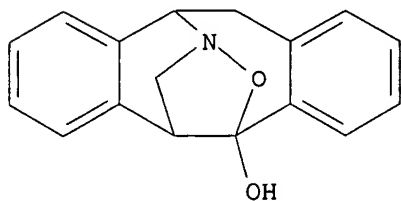
IT 120903-18-6P 120903-21-1P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reduction of)

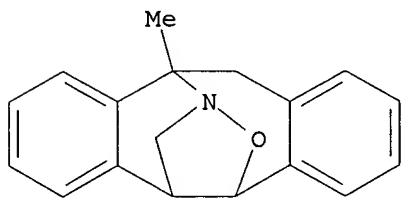
RN 120903-18-6 CAPLUS

CN 5,11,6-(Epoxytrilomethano)dibenzo[a,e]cycloocten-5(6H)-ol,  
11,12-dihydro- (9CI) (CA INDEX NAME)



RN 120903-21-1 CAPLUS

CN 5,11,6-(Epoxytrilomethano)dibenzo[a,e]cyclooctene, 5,6,11,12-tetrahydro-  
11-methyl- (9CI) (CA INDEX NAME)

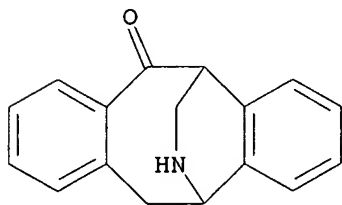


IT 120903-14-2P 120903-16-4P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

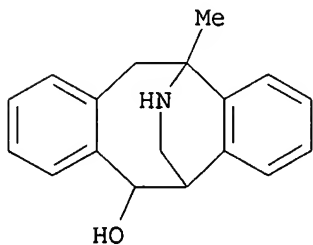
RN 120903-14-2 CAPLUS

CN 12,5-(Iminomethano)dibenzo[a,e]cycloocten-6(5H)-one, 11,12-dihydro- (9CI)  
(CA INDEX NAME)

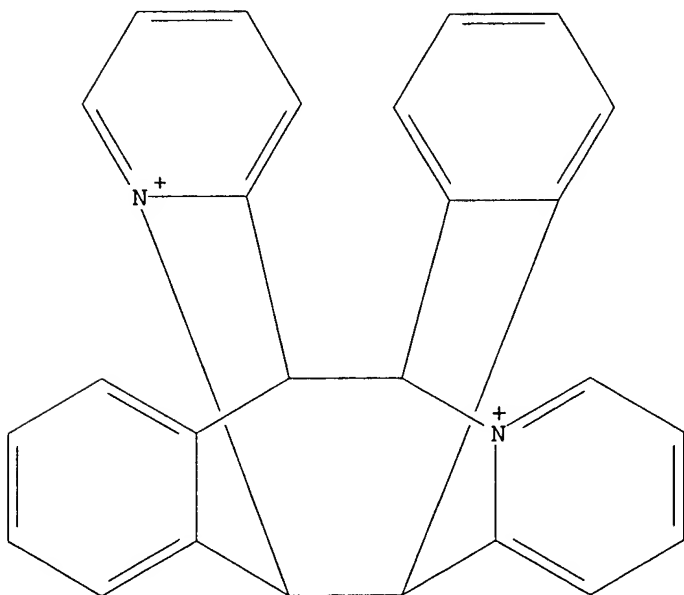


RN 120903-16-4 CAPLUS

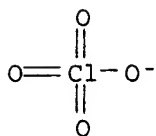
CN 12,5-(Iminomethano)dibenzo[a,e]cycloocten-6-ol, 5,6,11,12-tetrahydro-12-  
methyl-, (5 $\alpha$ ,6 $\alpha$ ,12 $\alpha$ )- (9CI) (CA INDEX NAME)



L21 ANSWER 19 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1987:545214 CAPLUS  
 DOCUMENT NUMBER: 107:145214  
 TITLE: The solid state chemistry of acridizinium salts  
 AUTHOR(S): Wang, Wang Nang; Jones, William  
 CORPORATE SOURCE: Dep. Phys. Chem., Univ. Cambridge, Cambridge, CB2 1EP,  
 UK  
 SOURCE: Tetrahedron (1987), 43(7), 1273-9  
 CODEN: TETRAB; ISSN: 0040-4020  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 93216-64-9 110503-72-5 110503-73-6  
 RL: PRP (Properties)  
 (crystal structure of)  
 RN 93216-64-9 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
 e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, diperchlorate (9CI) (CA  
 INDEX NAME)  
 CM 1  
 CRN 76844-37-6  
 CMF C26 H20 N2



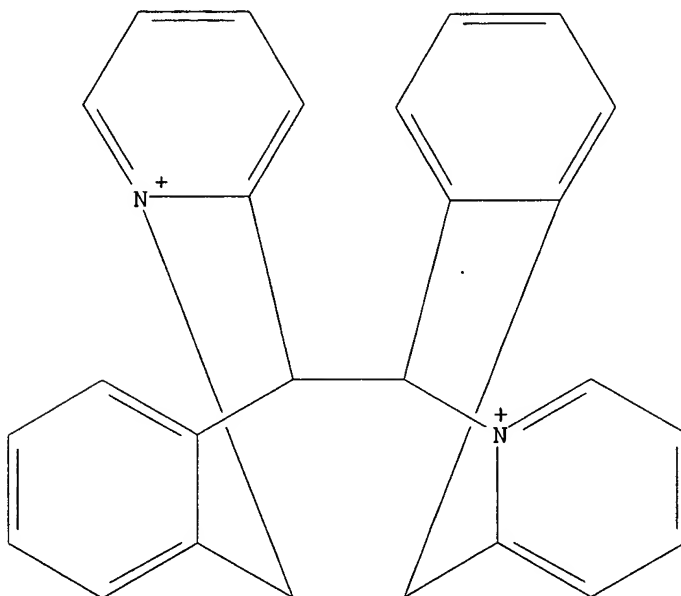
CM 2  
 CRN 14797-73-0  
 CMF Cl O4



RN 110503-72-5 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, diiodide, monohydrate (9CI)  
(CA INDEX NAME)

PAGE 1-A

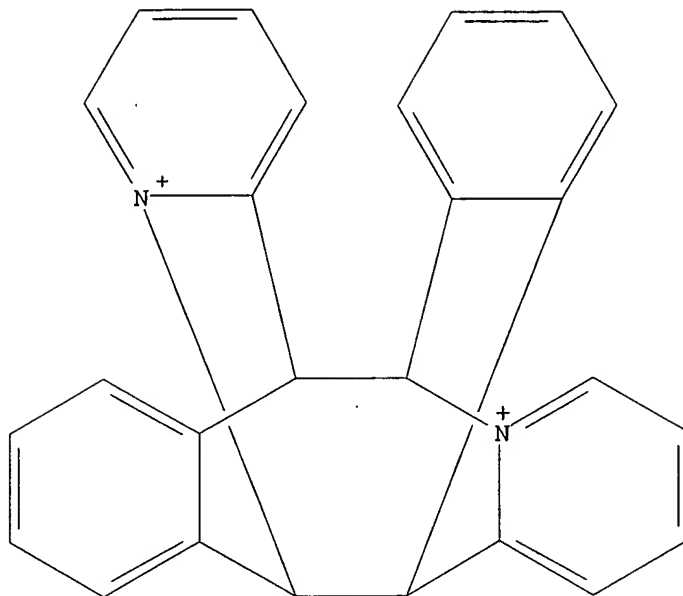


PAGE 2-A

● 2 I<sup>-</sup>

● H<sub>2</sub>O

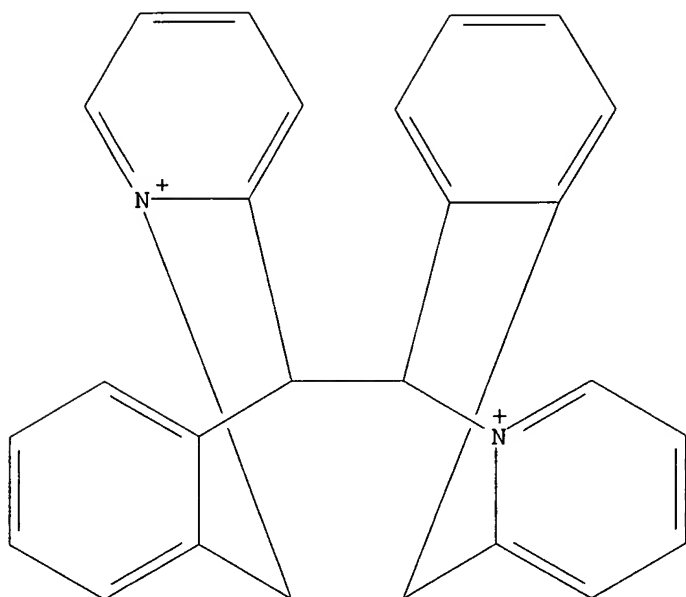
RN 110503-73-6 CAPLUS  
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, dibromide, dihydrate (9CI)  
(CA INDEX NAME)



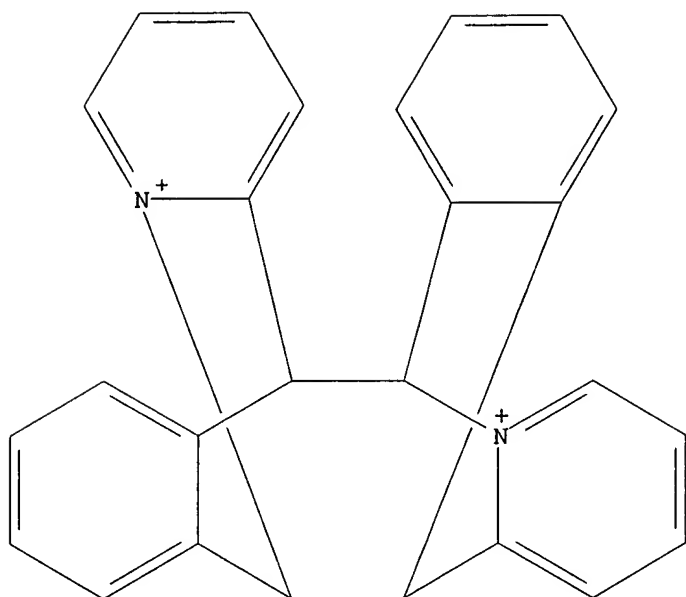
● 2 Br<sup>-</sup>

● 2 H<sub>2</sub>O

L21 ANSWER 20 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1986:625570 CAPLUS  
 DOCUMENT NUMBER: 105:225570  
 TITLE: Electron transfer sensitized cycloreversion of the  
 acridizinium cyclomer  
 AUTHOR(S): Mitzner, Rolf; Bendig, Juergen; Kreysig, Dieter  
 CORPORATE SOURCE: Sek. Chem., Humboldt-Univ., Berlin, DDR-1040, Ger.  
 Dem. Rep.  
 SOURCE: Zeitschrift fuer Chemie (1986), 26(7), 255-6  
 CODEN: ZECEAL; ISSN: 0044-2402  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 IT 76844-37-6  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (cycloreversion of, electron transfer-sensitized)  
 RN 76844-37-6 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
 e][1,5]diazocinedium, 6,7,13,14-tetrahydro- (9CI) (CA INDEX NAME)



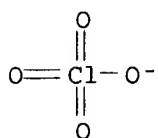
L21 ANSWER 21 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1986:5346 CAPLUS  
 DOCUMENT NUMBER: 104:5346  
 TITLE: Electrochemistry of organic cations. II. Studies about the cathodic behavior of the acridizinium ion and the cathodically catalyzed cleavage of its photodimer  
 AUTHOR(S): Mitzner, R.; Bendig, J.; Ziebig, R.; Graichen, F.; Kreysig, D.; Pragst, F.  
 CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ., Berlin, DDR-1040, Ger. Dem. Rep.  
 SOURCE: Journal fuer Praktische Chemie (Leipzig) (1985), 327(2), 241-50  
 CODEN: JPCFAO; ISSN: 0021-8383  
 DOCUMENT TYPE: Journal  
 LANGUAGE: German  
 OTHER SOURCE(S): CASREACT 104:5346  
 IT 93216-64-9  
 RL: RCT (Reactant); RACT (Reactant or reagent) (electrochem. reduction of)  
 RN 93216-64-9 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, diperchlorate (9CI) (CA INDEX NAME)  
 CM 1  
 CRN 76844-37-6  
 CMF C26 H20 N2



CM 2

CRN 14797-73-0

CMF C1 04



L21 ANSWER 22 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1985:513319 CAPLUS  
 DOCUMENT NUMBER: 103:113319  
 TITLE: Sensitizing photochemically active materials  
 INVENTOR(S): Bendig, Juergen; Mitzner, Rolf; Kreysig, Dieter;  
 Schilling, Rolf Dieter  
 PATENT ASSIGNEE(S): Humboldt-Universitaet zu Berlin, Ger. Dem. Rep.  
 SOURCE: Ger. (East), 14 pp.  
 CODEN: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 218801	A3	19850213	DD 1982-242179	19820802 <--
PRIORITY APPLN. INFO.:			DD 1982-242179	19820802
IT 57473-59-3 93216-64-9 93216-68-3				
93216-69-4 97931-84-5 97931-86-7				
RL: USES (Uses)				
(photosensitive compns. containing, sensitization of, process and photosensitizer for)				
RN 57473-59-3 CAPLUS				
CN 7,17[1',2']:8,16[1'',2'']-Dibenzeno[1,5]diazocino[1,2-b:5,6-				

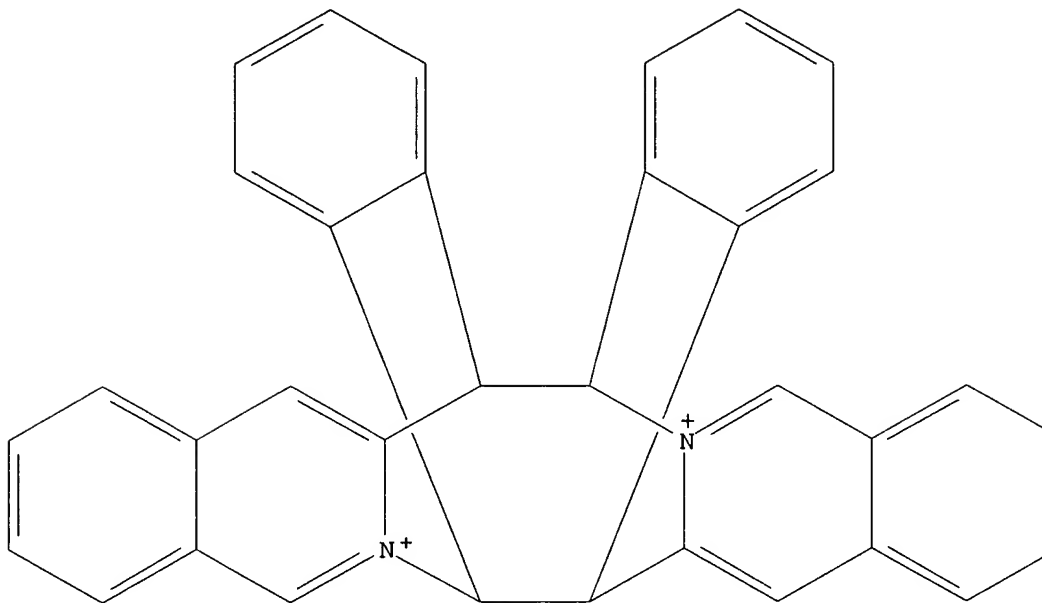
b']diisoquinolinediium, 7,8,16,17-tetrahydro-, salt with  
4-methylbenzenesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

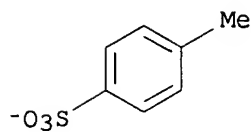
CRN 57473-58-2

CMF C34 H24 N2

PAGE 1-A



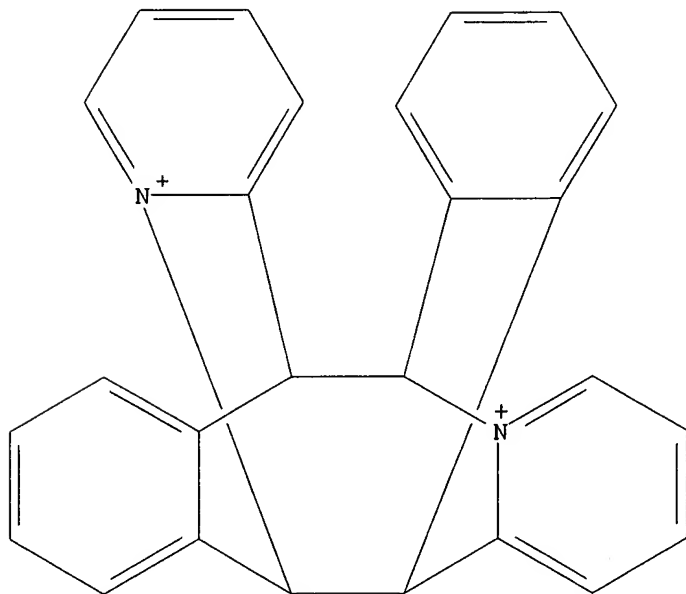
CRN 16722-51-3  
 CMF C7 H7 O3 S



RN 93216-64-9 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, dperchlorate (9CI) (CA INDEX NAME)

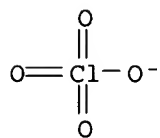
CM 1

CRN 76844-37-6  
 CMF C26 H20 N2



CM 2

CRN 14797-73-0  
 CMF C1 O4

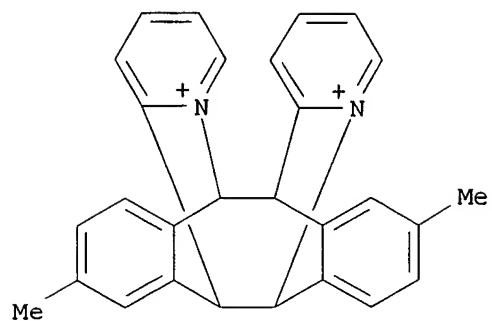


RN 93216-68-3 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-19,24-dimethyl-, dperchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 93216-67-2

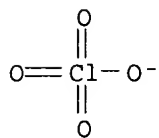
CMF C28 H24 N2



CM 2

CRN 14797-73-0

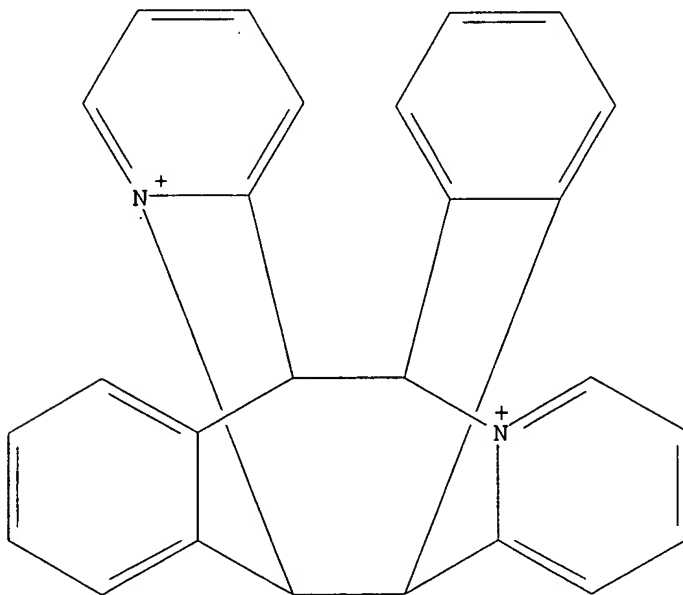
CMF Cl O4



RN 93216-69-4 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 6,7,13,14-tetrahydro-, dibromide (9CI) (CA INDEX NAME)

PAGE 1-A

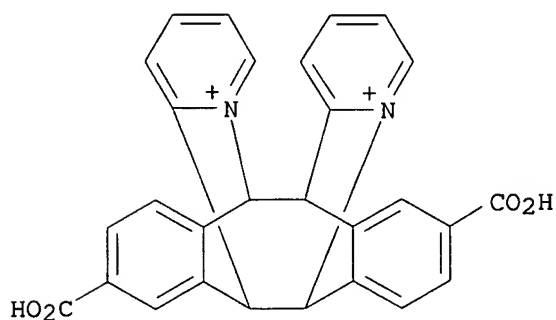


●2 Br<sup>-</sup>

RN 97931-84-5 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 19,24-dicarboxy-6,7,13,14-tetrahydro-, diperchlorate (9CI) (CA INDEX NAME)

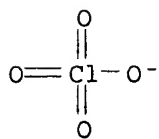
CM 1

CRN 97931-83-4  
 CMF C28 H20 N2 O4



CM 2

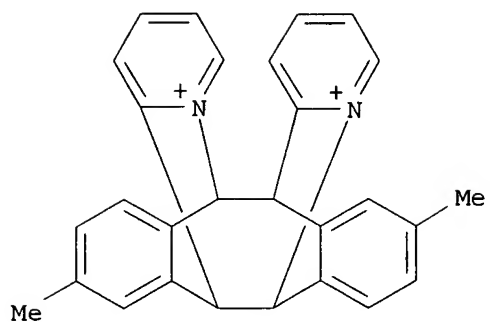
CRN 14797-73-0  
 CMF Cl O4



RN 97931-86-7 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-19,24-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

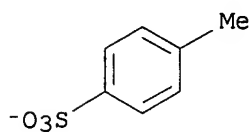
CRN 93216-67-2  
 CMF C28 H24 N2



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



IT **97931-87-8**

RL: USES (Uses)

(photosensitive compns. containing)

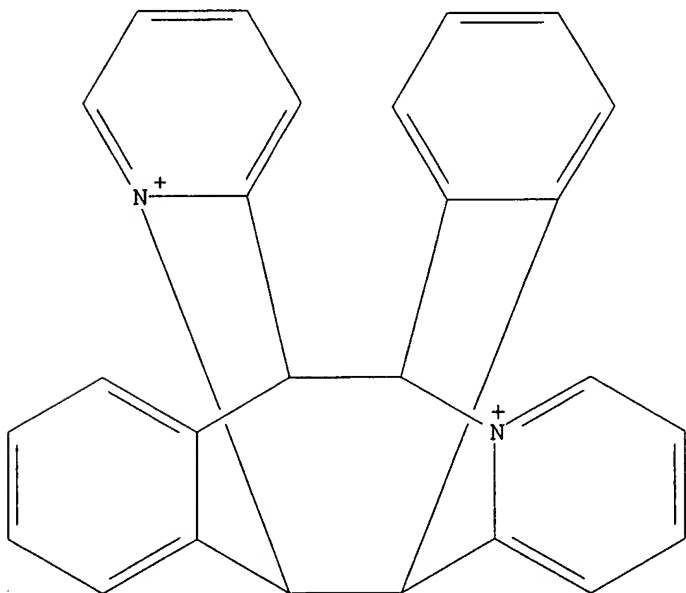
RN 97931-87-8 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 6,7,13,14-tetrahydro-, salt with 3',6'-dihydroxyspiro[isobenzofuran-1(3H),9'-[9H]xanthen]-3-one (1:2) (9CI)  
(CA INDEX NAME)

CM 1

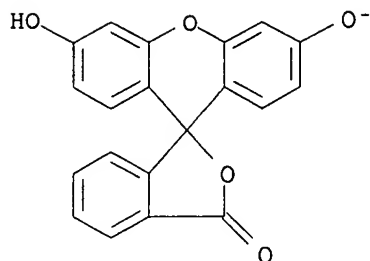
CRN 76844-37-6

CMF C26 H20 N2



CM 2

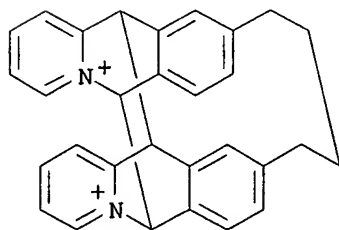
CRN 56503-31-2  
CMF C20 H11 O5



L21 ANSWER 23 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1985:421988 CAPLUS  
DOCUMENT NUMBER: 103:21988  
TITLE: Deactivation behavior of arenes and heteroarenes. 42.  
Thermally induced intramolecular [4+4] cycloaddition  
and cycloreversion of 1,4-bis(9-acridiziniumyl)butane  
diperchlorate  
AUTHOR(S): Wagner, Juergen; Bendig, Juergen; Felber, Andrea;  
Sommerer, Andreas; Kreysig, Dieter  
CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ. Berlin, Berlin, DDR-1040,  
Ger. Dem. Rep.  
SOURCE: Zeitschrift fuer Chemie (1985), 25(2), 64  
CODEN: ZECEAL; ISSN: 0044-2402  
DOCUMENT TYPE: Journal  
LANGUAGE: German  
IT 96923-29-4 96923-31-8  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(cycloreversion of, kinetics of)  
RN 96923-29-4 CAPLUS  
CN 4,1,19:9,12,18-Diethenylidenecyclotetradeca[b]dipyrido[1,2-d:2',1'-  
h][1,4]diazocinedium, 5,6,7,8,12a,18,19,24a-octahydro-, diperchlorate  
(9CI) (CA INDEX NAME)

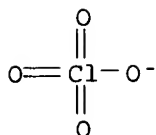
CM 1

CRN 96923-28-3  
CMF C30 H26 N2



CM 2

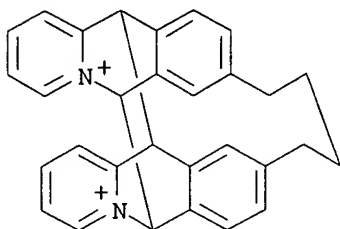
CRN 14797-73-0  
CMF C1 O4



RN 96923-31-8 CAPLUS  
 CN 8,11,17-Ethenylylidene-3,18,1-[1]propen[1]yl[3]ylidyne-1H-cyclotrideca[b]dipyrido[1,2-d:2',1'-h][1,4]diazocinediium, 4,5,6,7,11a,17,18,23a-octahydro-, diperchlorate (9CI) (CA INDEX NAME)

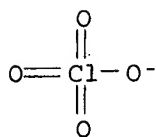
CM 1

CRN 96923-30-7  
 CMF C30 H26 N2



CM 2

CRN 14797-73-0  
 CMF C1 O4



L21 ANSWER 24 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1985:140773 CAPLUS  
 DOCUMENT NUMBER: 102:140773  
 TITLE: Photoconductive material for switchable electrophotography  
 INVENTOR(S): Bendig, Juergen; Schilling, Rolf Dieter; Kreysig, Dieter  
 PATENT ASSIGNEE(S): Humboldt-Universitaet zu Berlin, Ger. Dem. Rep.  
 SOURCE: Ger. (East), 12 pp.  
 CODEN: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 211260	A3	19840704	DD 1982-242180	19820802 <--

PRIORITY APPLN. INFO.:

DD 1982-242180

19820802

IT 57473-59-3 93216-64-9 93222-14-1

95527-00-7

RL: USES (Uses)

(electrophotog. photosensitizer precursor)

RN 57473-59-3 CAPLUS

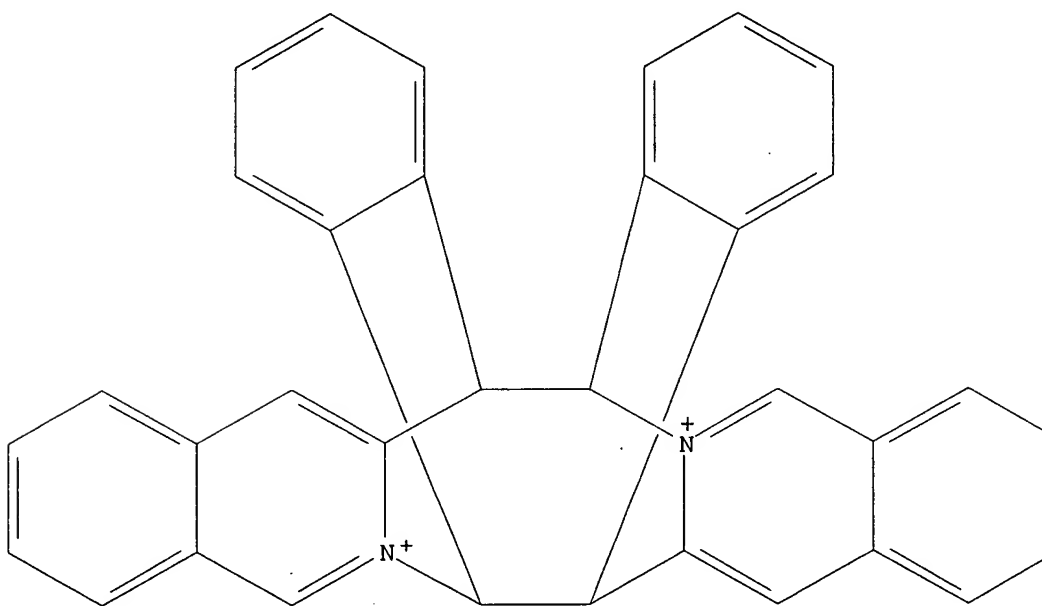
CN 7,17[1',2']:8,16[1'',2'']-Dibenzeno[1,5]diazocino[1,2-b:5,6-b']diisoquinolinedium, 7,8,16,17-tetrahydro-, salt with 4-methylbenzenesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 57473-58-2

CMF C34 H24 N2

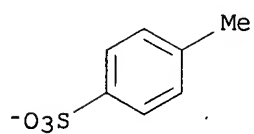
PAGE 1-A



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



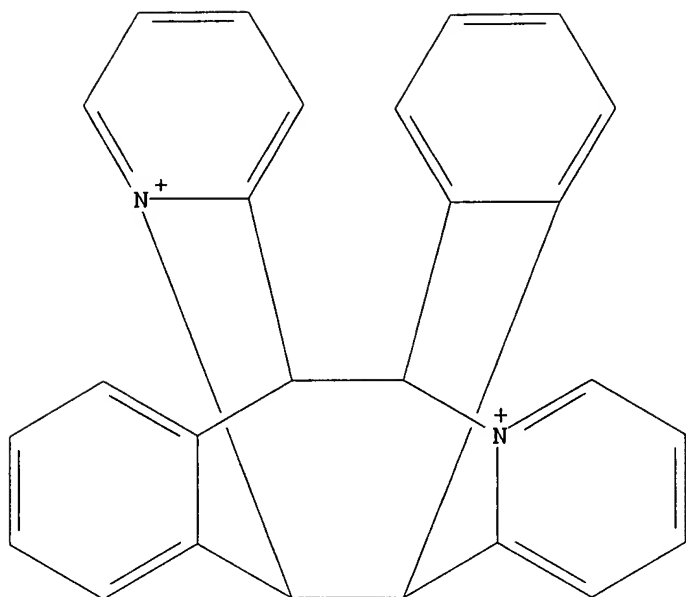
RN 93216-64-9 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, diperchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 76844-37-6

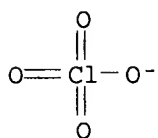
CMF C26 H20 N2



CM 2

CRN 14797-73-0

CMF C1 O4



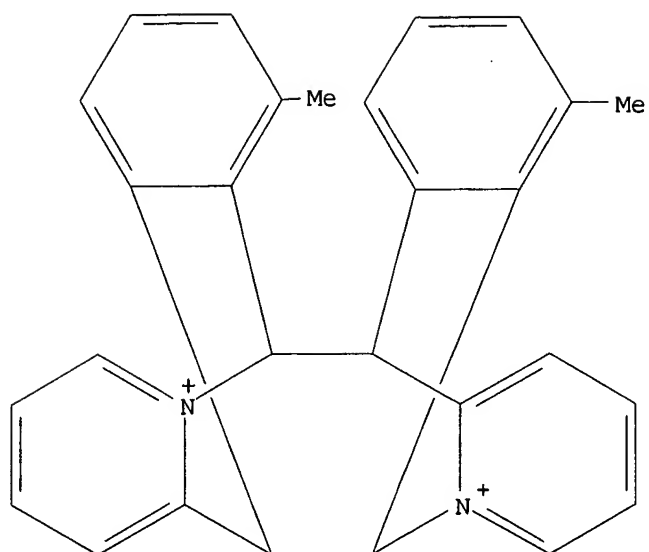
RN 93222-14-1 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,17,13,14-tetrahydro-17,26-dimethyl-, diperchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 93222-13-0

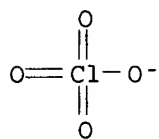
CMF C28 H24 N2



CM 2

CRN 14797-73-0

CMF C1 O4



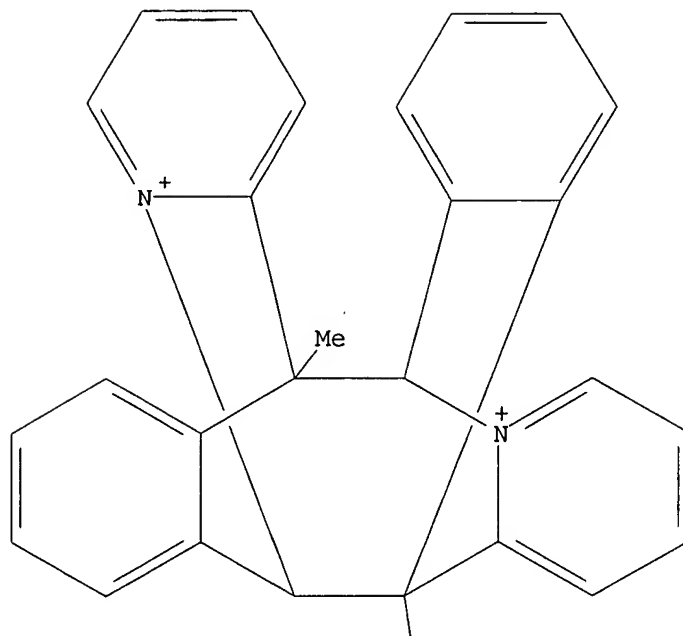
RN 95527-00-7 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-7,14-dimethyl-, salt with 4-methylbenzenesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 93216-65-0

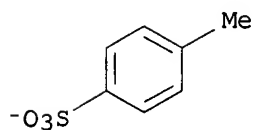
CMF C28 H24 N2



Me

CM 2

CRN 16722-51-3  
CMF C7 H7 O3 S



L21 ANSWER 25 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1984:619892 CAPLUS  
 DOCUMENT NUMBER: 101:219892  
 TITLE: Light-sensitive positive-working copying material  
 INVENTOR(S): Bendig, Juergen; Helm, Siegrun; Kreysig, Dieter; Schilling, Rolf Dieter  
 PATENT ASSIGNEE(S): Humboldt-Universitaet zu Berlin, Ger. Dem. Rep.  
 SOURCE: Ger. (East), 14 pp.  
 CODEN: GEXXA8  
 DOCUMENT TYPE: Patent  
 LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 210360	A1	19840606	DD 1982-242182	19820802 <--
PRIORITY APPLN. INFO.:			DD 1982-242182	19820802
IT 57473-59-3 93216-64-9 93216-68-3				
93216-69-4				

RL: USES (Uses)

(photosensitive compns. containing, pos.-working, for lithog. plate fabrication)

RN 57473-59-3 CAPLUS

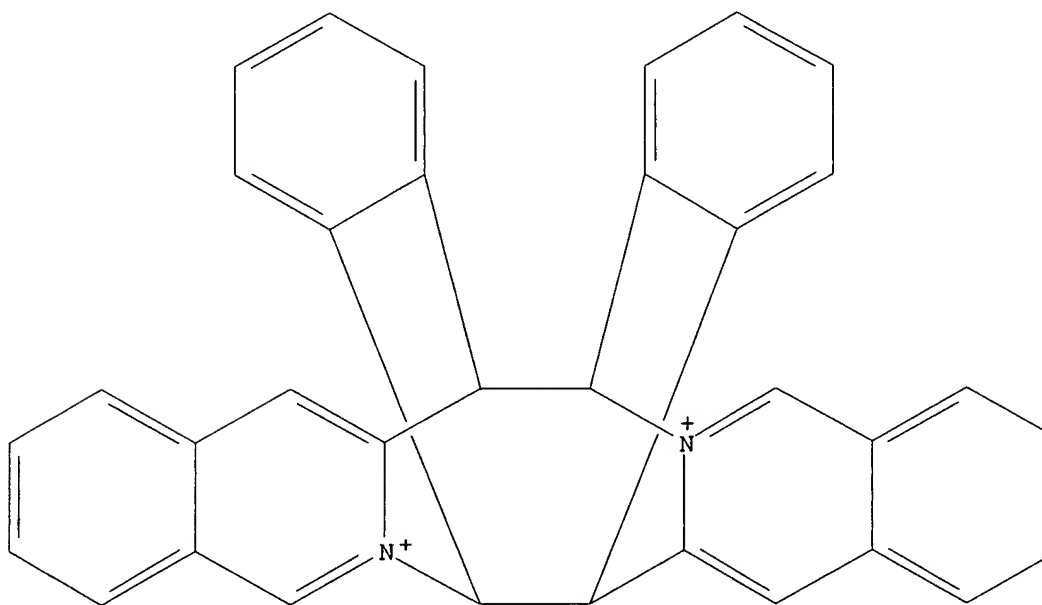
CN 7,17[1',2']:8,16[1'',2'']-Dibenzeno[1,5]diazocino[1,2-b:5,6-b']diisoquinolinedium, 7,8,16,17-tetrahydro-, salt with 4-methylbenzenesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 57473-58-2

CMF C34 H24 N2

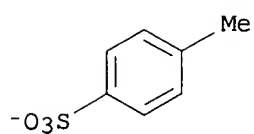
PAGE 1-A



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



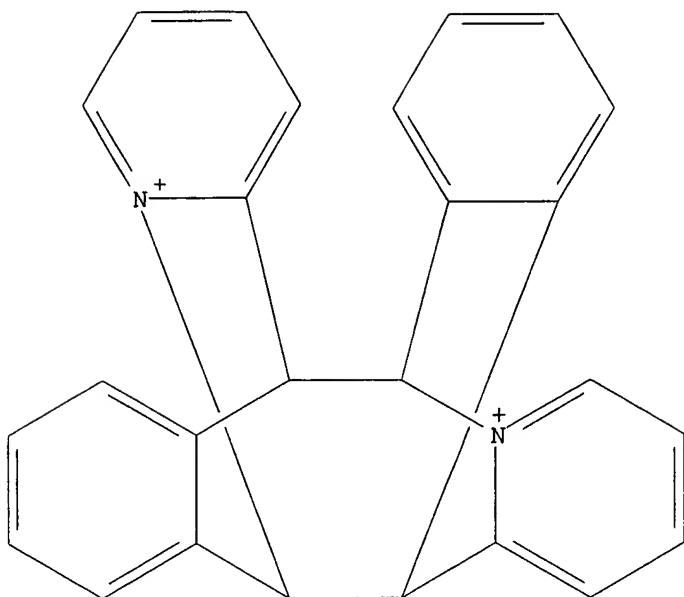
RN 93216-64-9 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, dperchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 76844-37-6

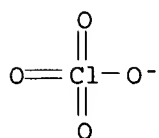
CMF C26 H20 N2



CM 2

CRN 14797-73-0

CMF C1 O4



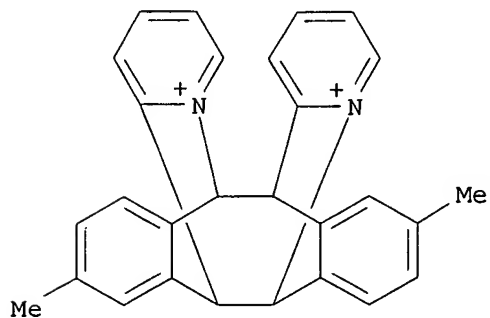
RN 93216-68-3 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-19,24-dimethyl-, diperchlorate (9CI) (CA INDEX NAME)

CM 1

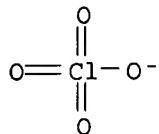
CRN 93216-67-2

CMF C28 H24 N2



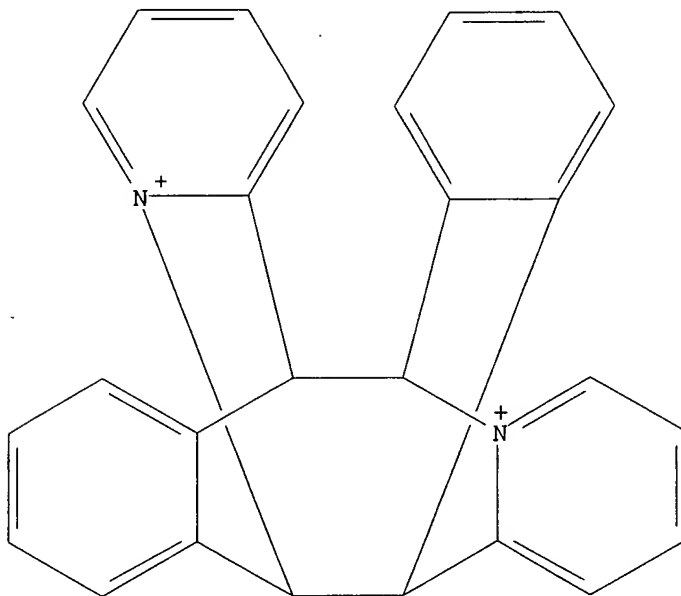
CM 2

CRN 14797-73-0  
CMF Cl 04



RN 93216-69-4 CAPLUS  
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinediium, 6,7,13,14-tetrahydro-, dibromide (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

● 2 Br<sup>-</sup>

L21 ANSWER 26 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1984:619819 CAPLUS  
DOCUMENT NUMBER: 101:219819  
TITLE: Electrophotographic recording material with memory effect  
INVENTOR(S): Bendig, Juergen; Schilling, Rolf Dieter; Kreysig, Dieter  
PATENT ASSIGNEE(S): Humboldt-Universitaet zu Berlin, Ger. Dem. Rep.  
SOURCE: Ger. (East), 14 pp.  
CODEN: GEXXA8  
DOCUMENT TYPE: Patent

LANGUAGE: German  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 210361	A1	19840606	DD 1982-242181	19820802 <--
PRIORITY APPLN. INFO.:			DD 1982-242181	19820802

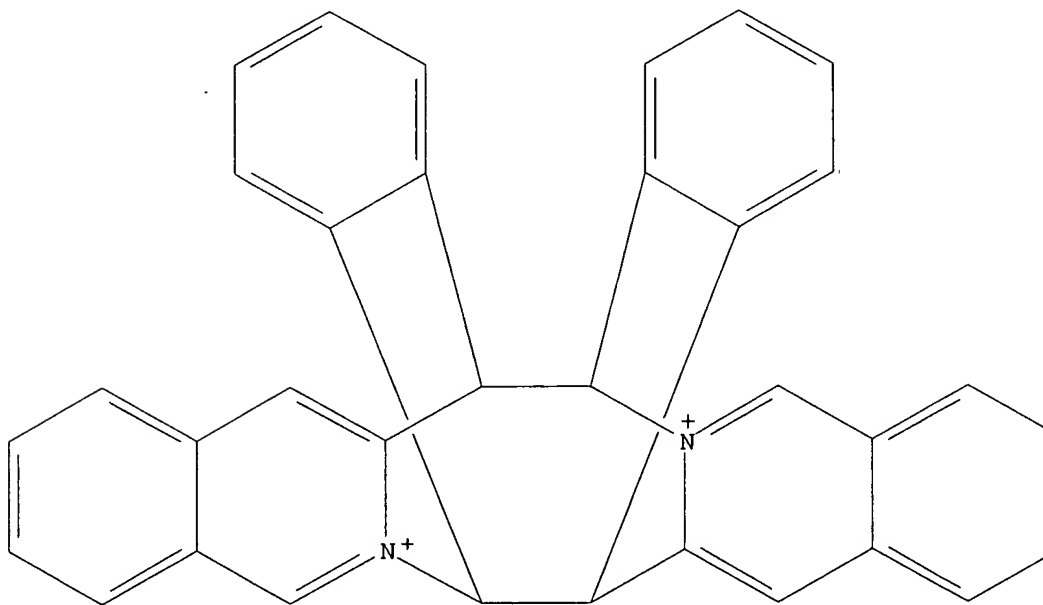
IT 57473-59-3 93216-64-9 93216-66-1  
 93222-14-1  
 RL: USES (Uses)  
 (electrophotog. photoreceptor with photoconductive layer containing  
 photosensitizer precursor from)

RN 57473-59-3 CAPLUS  
 CN 7,17[1',2']:8,16[1'',2'']-Dibenzeno[1,5]diazocino[1,2-b:5,6-  
 b']diisoquinolinedium, 7,8,16,17-tetrahydro-, salt with  
 4-methylbenzenesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 57473-58-2  
 CMF C34 H24 N2

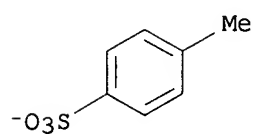
PAGE 1-A



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



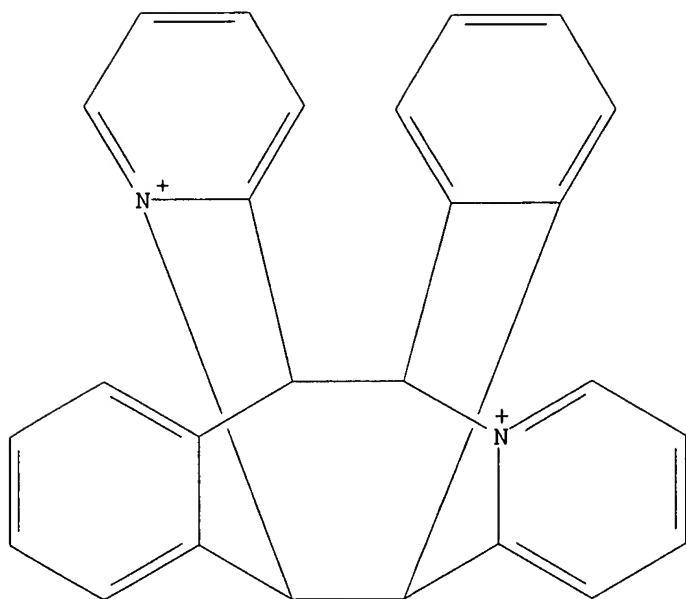
RN 93216-64-9 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-, diperchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 76844-37-6

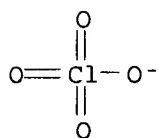
CMF C26 H20 N2



CM 2

CRN 14797-73-0

CMF C1 O4



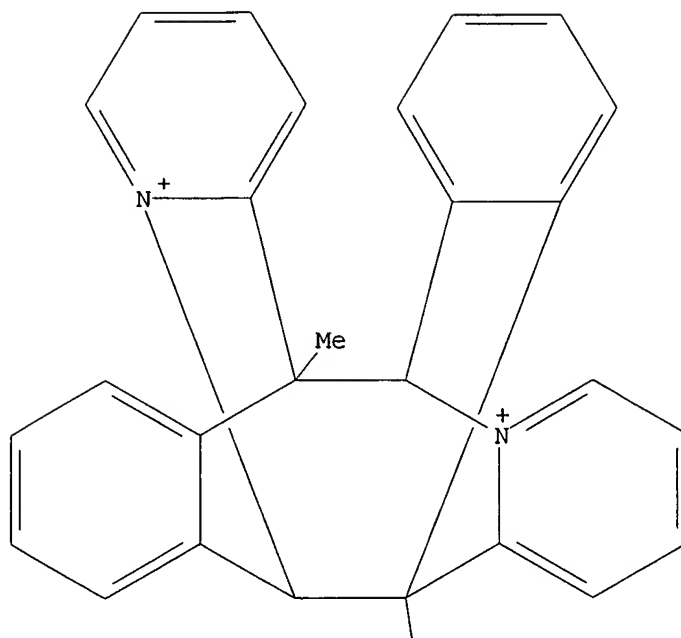
RN 93216-66-1 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,7,13,14-tetrahydro-7,14-dimethyl-, bis[tetraphenylborate(1-)] (9CI) (CA INDEX NAME)

CM 1

CRN 93216-65-0

CMF C28 H24 N2

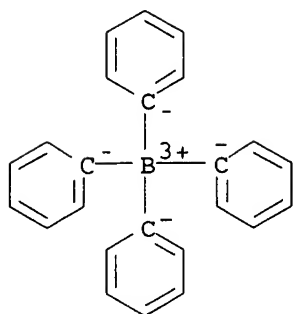


CM 2

CRN 4358-26-3

CMF C24 H20 B

CCI CCS



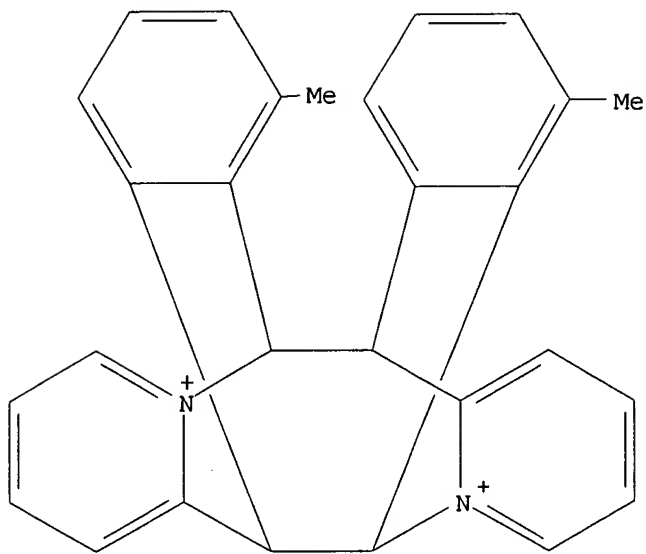
RN 93222-14-1 CAPLUS

CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-e][1,5]diazocinedium, 6,17,13,14-tetrahydro-17,26-dimethyl-, diperchlorate (9CI) (CA INDEX NAME)

CM 1

CRN 93222-13-0

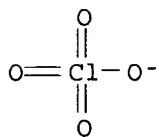
CMF C28 H24 N2



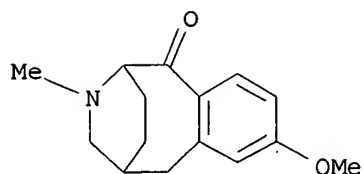
CM 2

CRN 14797-73-0

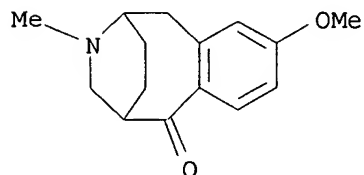
CMF C1 O4



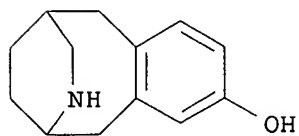
L21 ANSWER 27 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1983:612411 CAPLUS  
DOCUMENT NUMBER: 99:212411  
TITLE: Preparation and stereochemistry of 8- and  
9-hydroxy-2,5-ethano-3-benzazocines  
AUTHOR(S): Belanger, Patrice C.; Scheigetz, John; Young, Robert  
N.  
CORPORATE SOURCE: Med. Chem. Dep., Merck Frosst Canada Inc.,  
Pointe-Claire/Dorval, QC, H9R 4P8, Can.  
SOURCE: Canadian Journal of Chemistry (1983), 61(9),  
2177-82  
CODEN: CJCHAG; ISSN: 0008-4042  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 99:212411  
IT 87850-51-9P 87850-55-3P  
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and NMR of)  
RN 87850-51-9 CAPLUS  
CN 2,5-Ethano-3-benzazocin-1(2H)-one, 3,4,5,6-tetrahydro-8-methoxy-3-methyl-  
(9CI) (CA INDEX NAME)



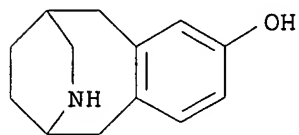
RN 87850-55-3 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-6(1H)-one, 2,3,4,5-tetrahydro-9-methoxy-3-methyl- (9CI) (CA INDEX NAME)



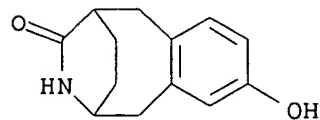
IT 83090-54-4P 83090-57-7P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and acylation of, by chloroformate)  
 RN 83090-54-4 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-9-ol, 1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX NAME)



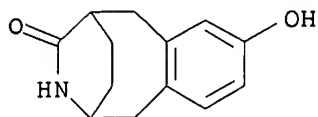
RN 83090-57-7 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX NAME)



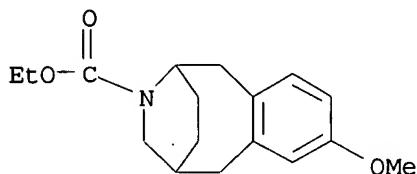
IT 83090-48-6P 83090-50-0P 87850-49-5P  
 87850-53-1P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and hydride reduction of)  
 RN 83090-48-6 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-9-hydroxy- (9CI) (CA INDEX NAME)



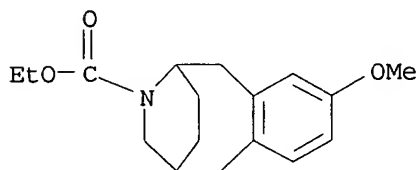
RN 83090-50-0 CAPLUS  
 CN 2,5-Ethano-3-benzazocine-4(1H)-one, 2,3,5,6-tetrahydro-8-hydroxy- (9CI)  
 (CA INDEX NAME)



RN 87850-49-5 CAPLUS  
 CN 2,5-Ethano-3-benzazocine-3(2H)-carboxylic acid, 1,4,5,6-tetrahydro-8-methoxy-, ethyl ester (9CI) (CA INDEX NAME)

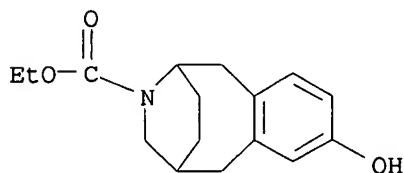


RN 87850-53-1 CAPLUS  
 CN 2,5-Ethano-3-benzazocine-3(2H)-carboxylic acid, 1,4,5,6-tetrahydro-9-methoxy-, ethyl ester (9CI) (CA INDEX NAME)

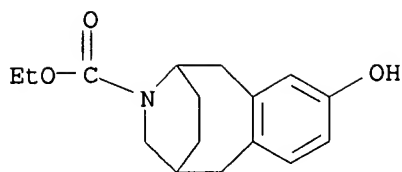


IT **87850-48-4P 87850-52-0P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and methylation of)

RN 87850-48-4 CAPLUS  
 CN 2,5-Ethano-3-benzazocine-3(2H)-carboxylic acid, 1,4,5,6-tetrahydro-8-hydroxy-, ethyl ester (9CI) (CA INDEX NAME)



RN 87850-52-0 CAPLUS  
 CN 2,5-Ethano-3-benzazocine-3(2H)-carboxylic acid, 1,4,5,6-tetrahydro-9-hydroxy-, ethyl ester (9CI) (CA INDEX NAME)

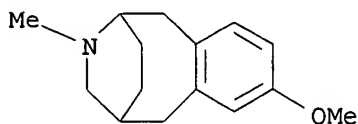


IT **87850-50-8P 87850-54-2P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and oxidation of)

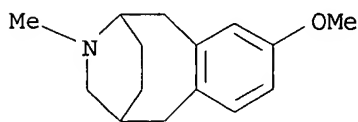
RN 87850-50-8 CAPLUS

CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-8-methoxy-3-methyl- (9CI)  
(CA INDEX NAME)



RN 87850-54-2 CAPLUS

CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-9-methoxy-3-methyl- (9CI)  
(CA INDEX NAME)

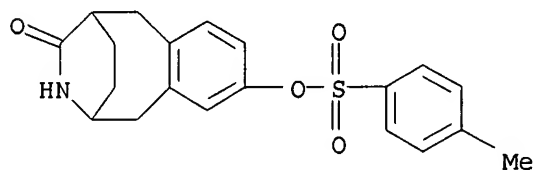


IT **83090-49-7P 87850-47-3P 87864-71-9P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
(preparation and saponification of)

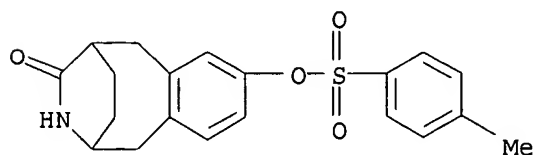
RN 83090-49-7 CAPLUS

CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-9-[[4-methylphenyl)sulfonyl]oxy] - (9CI) (CA INDEX NAME)

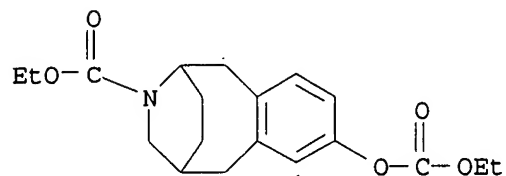


RN 87850-47-3 CAPLUS

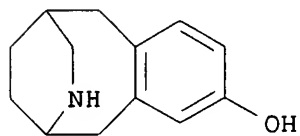
CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-8-[[4-methylphenyl)sulfonyl]oxy] - (9CI) (CA INDEX NAME)



RN 87864-71-9 CAPLUS  
 CN 2,5-Ethano-3-benzazocine-3(2H)-carboxylic acid, 8-[(ethoxycarbonyl)oxy]-  
 1,4,5,6-tetrahydro-, ethyl ester (9CI) (CA INDEX NAME)

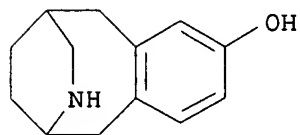


IT 83090-51-1P 83090-52-2P 87850-56-4P  
 87850-57-5P 87850-58-6P  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 83090-51-1 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-9-ol, 1,2,3,4,5,6-hexahydro-, hydrochloride (9CI)  
 (CA INDEX NAME)



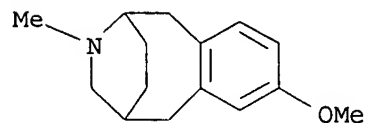
● HCl

RN 83090-52-2 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro-, hydrochloride (9CI)  
 (CA INDEX NAME)



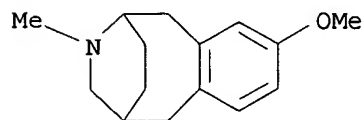
● HCl

RN 87850-56-4 CAPLUS  
 CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-8-methoxy-3-methyl-,  
 hydrochloride (9CI) (CA INDEX NAME)



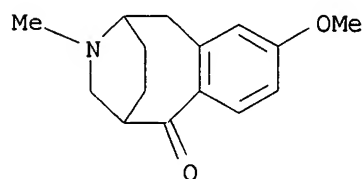
● HCl

RN 87850-57-5 CAPLUS  
CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-9-methoxy-3-methyl-,  
hydrochloride (9CI) (CA INDEX NAME)



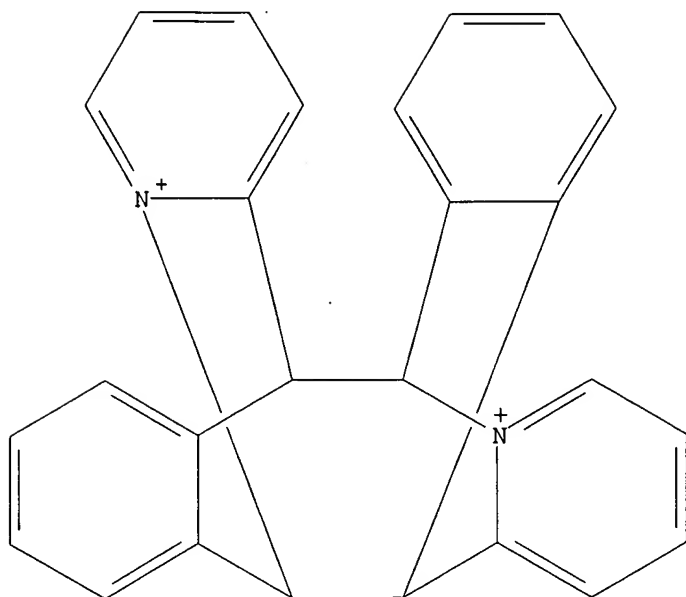
● HCl

RN 87850-58-6 CAPLUS  
CN 2,5-Ethano-3-benzazocin-6(1H)-one, 2,3,4,5-tetrahydro-9-methoxy-3-methyl-,  
hydrochloride (9CI) (CA INDEX NAME)



● HCl

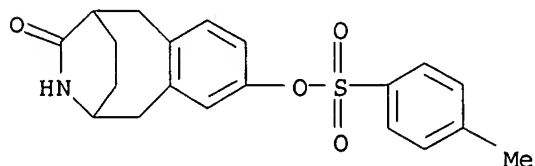
L21 ANSWER 28 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1983:539189 CAPLUS  
DOCUMENT NUMBER: 99:139189  
TITLE: Deactivation behavior of arenes and heteroarenes. 37.  
Triple fluorescence of acridizinium dimers  
AUTHOR(S): Mitzner, Rolf; Bendig, Juergen; Kreysig, Dieter  
CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ., Berlin, DDR-1040, Ger.  
Dem. Rep.  
SOURCE: Zeitschrift fuer Chemie (1983), 23(6), 223-4  
CODEN: ZECEAL; ISSN: 0044-2402  
DOCUMENT TYPE: Journal  
LANGUAGE: German  
IT 76844-37-6  
RL: PRP (Properties)  
(fluorescence of, effect of photolysis on)  
RN 76844-37-6 CAPLUS  
CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
e][1,5]diazocinedium, 6,7,13,14-tetrahydro- (9CI) (CA INDEX NAME)



L21 ANSWER 29 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1982:544795 CAPLUS  
 DOCUMENT NUMBER: 97:144795  
 TITLE: N- (Substituted) -2,5-ethano-8-hydroxy (or methoxy) -1,2,3,4,5,6-hexahydro-3 (or 4) -benzazocine centrally-acting analgesics  
 INVENTOR(S): Belanger, Patrice C.; Young, Robert N.  
 PATENT ASSIGNEE(S): Merck and Co., Inc. , USA  
 SOURCE: U.S., 10 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4332810	A	19820601	US 1981-228483	19810126 <--
CA 1184907	A1	19850402	CA 1982-394863	19820125 <--
			US 1981-228483	A 19810126

PRIORITY APPLN. INFO.:  
 OTHER SOURCE(S): MARPAT 97:144795  
 IT **83090-49-7P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and detosylation of)  
 RN 83090-49-7 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-9-[[ (4-methylphenyl)sulfonyl]oxy] - (9CI) (CA INDEX NAME)



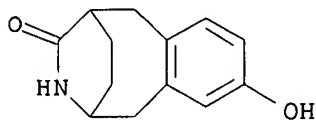
IT **83090-48-6P 83090-50-0P 83090-59-9P**

**83090-60-2P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and hydride reduction of)

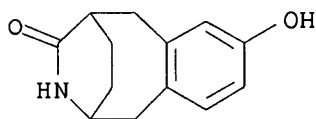
RN 83090-48-6 CAPLUS

CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-9-hydroxy- (9CI)  
(CA INDEX NAME)



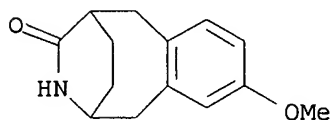
RN 83090-50-0 CAPLUS

CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-8-hydroxy- (9CI)  
(CA INDEX NAME)



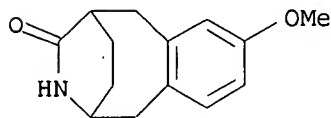
RN 83090-59-9 CAPLUS

CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-9-methoxy- (9CI)  
(CA INDEX NAME)



RN 83090-60-2 CAPLUS

CN 2,5-Ethano-3-benzazocin-4(1H)-one, 2,3,5,6-tetrahydro-8-methoxy- (9CI)  
(CA INDEX NAME)

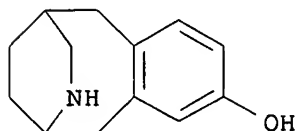


IT **83090-54-4P 83090-57-7P**

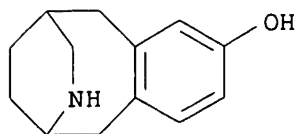
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and reductive N-alkylation of, by benzaldehydes)

RN 83090-54-4 CAPLUS

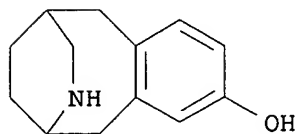
CN 2,5-Ethano-3-benzazocin-9-ol, 1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX  
NAME)



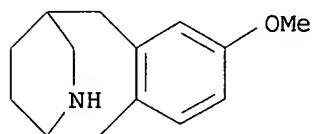
RN 83090-57-7 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX NAME)



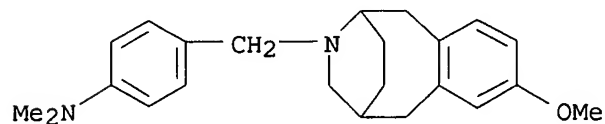
IT **83090-54-4P 83090-61-3P**  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation and N-alkylation of, by chlorobenzyl chloride)  
 RN 83090-54-4 CAPLUS  
 CN 2,5-Ethano-3-benzazocin-9-ol, 1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX NAME)



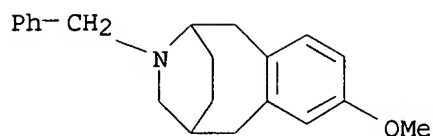
RN 83090-61-3 CAPLUS  
 CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-8-methoxy- (9CI) (CA INDEX NAME)



IT **83090-41-9P 83090-42-0P 83090-43-1P**  
**83090-44-2P 83090-51-1P 83090-52-2P**  
**83090-53-3P 83090-55-5P 83090-56-6P**  
**83090-58-8P 83090-62-4P 83090-63-5P**  
**83090-64-6P 83090-65-7P 83090-66-8P**  
**83090-67-9P 83090-68-0P**  
 RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of)  
 RN 83090-41-9 CAPLUS  
 CN Benzenamine, N,N-dimethyl-4-[(1,4,5,6-tetrahydro-8-methoxy-2,5-ethano-3-benzazocin-3(2H)-yl)methyl]- (9CI) (CA INDEX NAME)

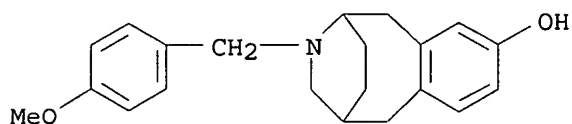


RN 83090-42-0 CAPLUS  
 CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-8-methoxy-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



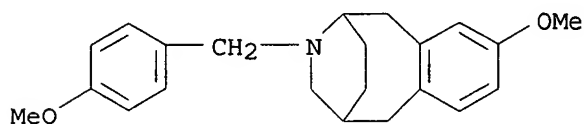
RN 83090-43-1 CAPLUS

CN 2,5-Ethano-3-benzazocin-9-ol, 1,2,3,4,5,6-hexahydro-3-[(4-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



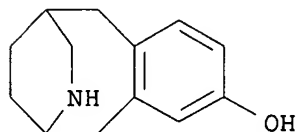
RN 83090-44-2 CAPLUS

CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-9-methoxy-3-[(4-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



RN 83090-51-1 CAPLUS

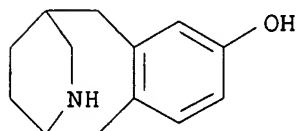
CN 2,5-Ethano-3-benzazocin-9-ol, 1,2,3,4,5,6-hexahydro-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 83090-52-2 CAPLUS

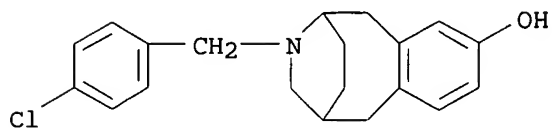
CN 2,5-Ethano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 83090-53-3 CAPLUS

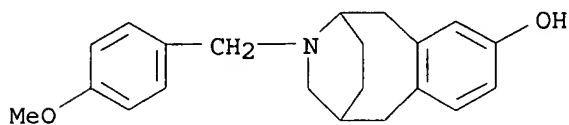
CN 2,5-Ethano-3-benzazocin-9-ol, 3-[(4-chlorophenyl)methyl]-1,2,3,4,5,6-hexahydro-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 83090-55-5 CAPLUS

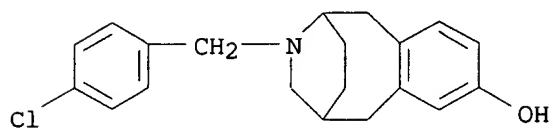
CN 2,5-Ethano-3-benzazocin-9-ol, 1,2,3,4,5,6-hexahydro-3-[(4-methoxyphenyl)methyl]-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 83090-56-6 CAPLUS

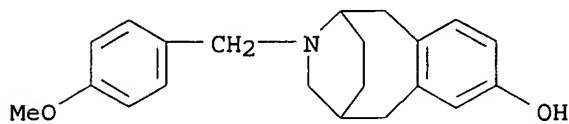
CN 2,5-Ethano-3-benzazocin-8-ol, 3-[(4-chlorophenyl)methyl]-1,2,3,4,5,6-hexahydro-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

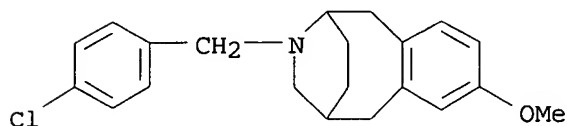
RN 83090-58-8 CAPLUS

CN 2,5-Ethano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro-3-[(4-methoxyphenyl)methyl]-, hydrochloride (9CI) (CA INDEX NAME)

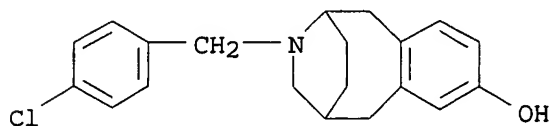


● HCl

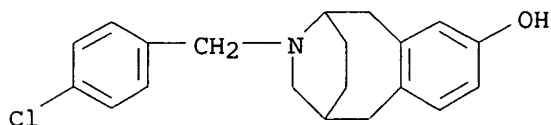
RN 83090-62-4 CAPLUS  
CN 2,5-Ethano-3-benzazocine, 3-[(4-chlorophenyl)methyl]-1,2,3,4,5,6-hexahydro-8-methoxy- (9CI) (CA INDEX NAME)



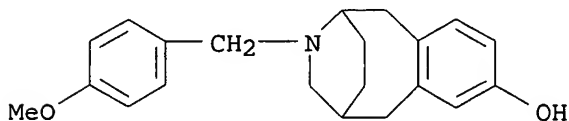
RN 83090-63-5 CAPLUS  
CN 2,5-Ethano-3-benzazocin-8-ol, 3-[(4-chlorophenyl)methyl]-1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX NAME)



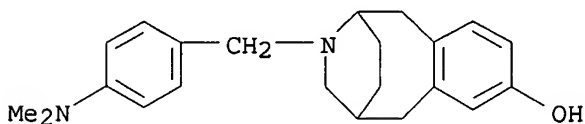
RN 83090-64-6 CAPLUS  
CN 2,5-Ethano-3-benzazocin-9-ol, 3-[(4-chlorophenyl)methyl]-1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX NAME)



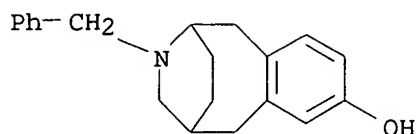
RN 83090-65-7 CAPLUS  
CN 2,5-Ethano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro-3-[(4-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



RN 83090-66-8 CAPLUS  
CN 2,5-Ethano-3-benzazocin-8-ol, 3-[[4-(dimethylamino)phenyl]methyl]-1,2,3,4,5,6-hexahydro- (9CI) (CA INDEX NAME)

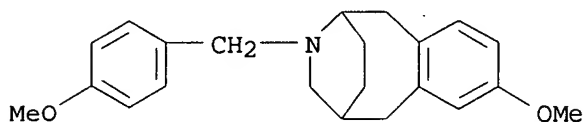


RN 83090-67-9 CAPLUS  
CN 2,5-Ethano-3-benzazocin-8-ol, 1,2,3,4,5,6-hexahydro-3-(phenylmethyl)- (9CI) (CA INDEX NAME)



RN 83090-68-0 CAPLUS

CN 2,5-Ethano-3-benzazocine, 1,2,3,4,5,6-hexahydro-8-methoxy-3-[(4-methoxyphenyl)methyl]- (9CI) (CA INDEX NAME)



L21 ANSWER 30 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1982:84909 CAPLUS

DOCUMENT NUMBER: 96:84909

TITLE: Deactivation behavior of arenes and heteroarenes.  
Part XXIX. Determination of the quantum yield for  
photochemical dimer decomposition with special  
consideration to the bandwidth of the exciting light  
AUTHOR(S): Bendig, Juergen; Bauer, Ursula; Kreysig, Dieter  
CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ., Berlin, DDR-1040, Ger.  
Dem. Rep.

SOURCE: Zeitschrift fuer Physikalische Chemie (Leipzig) (  
1981), 262(6), 1041-8  
CODEN: ZPCLAH; ISSN: 0372-9680

DOCUMENT TYPE: Journal

LANGUAGE: German

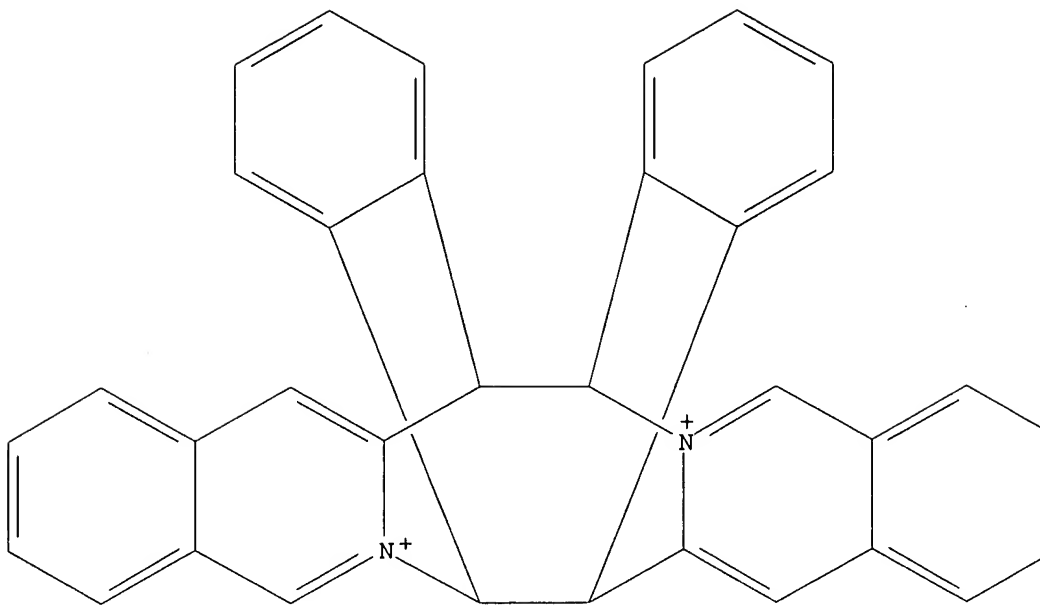
IT 57473-58-2 76844-37-6 80811-65-0

RL: RCT (Reactant); RACT (Reactant or reagent)

(photolysis of, quantum yield for, effect of excitation bandwidth on)

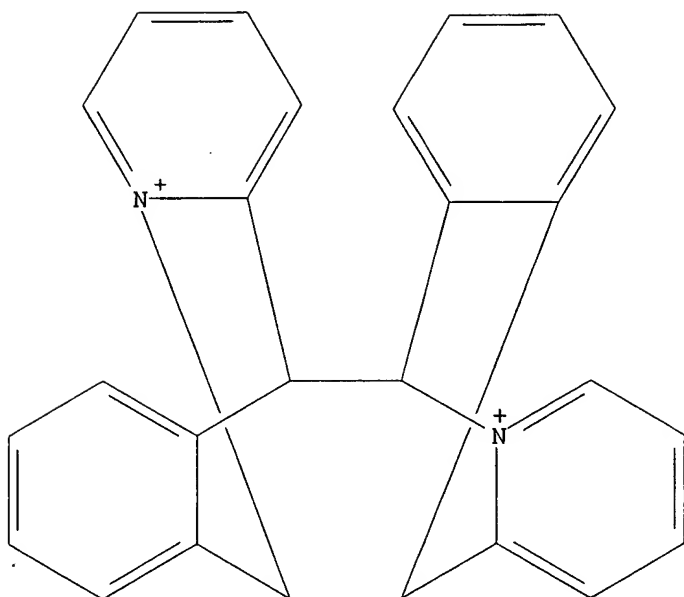
RN 57473-58-2 CAPLUS

CN 7,17[1',2']:8,16[1'',2'']-Dibenzeno[1,5]diazocino[1,2-b:5,6-b']diisoquinolinediium, 7,8,16,17-tetrahydro- (9CI) (CA INDEX NAME)

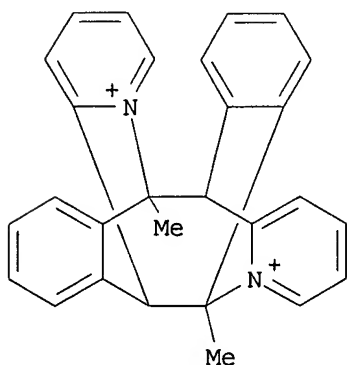


]

RN 76844-37-6 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
 e][1,5]diazocinedium, 6,7,13,14-tetrahydro- (9CI) (CA INDEX NAME)



RN 80811-65-0 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-  
 e][1,5]diazocinedium, 6,7,13,14-tetrahydro-6,13-dimethyl- (9CI) (CA  
 INDEX NAME)



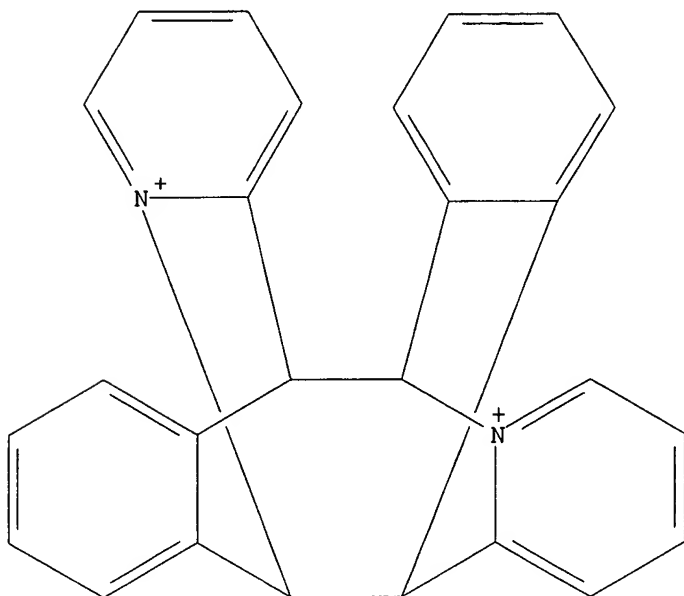
L21 ANSWER 31 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1981:104194 CAPLUS  
 DOCUMENT NUMBER: 94:104194  
 TITLE: Dissociation and recombination reactions in solid  
 polymers  
 AUTHOR(S): Smets, G.; Nijst, G.; Schmitz-Smets, M.; Somers, A.  
 CORPORATE SOURCE: K. Univ. Leuven, Louvain, Belg.  
 SOURCE: Journal of Polymer Science, Polymer Symposia (  
 1980), 67(Int. Symp. Macromol. Chem., IUPAC,  
 1978), 83-98  
 CODEN: JPYCAQ; ISSN: 0360-8905  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 IT 76844-38-7  
 RL: USES (Uses)  
 (dissociation-recombination reactions of, in solid polymers)  
 RN 76844-38-7 CAPLUS  
 CN 6,14[1',2']:7,13[1'',2'']-Dibenzenodipyrido[1,2-a:1',2'-

e] [1,5]diazocinediium, 6,7,13,14-tetrahydro-, salt with  
4-methylbenzenesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 76844-37-6

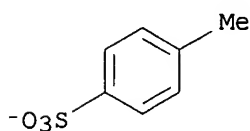
CMF C26 H20 N2



CM 2

CRN 16722-51-3

CMF C7 H7 O3 S



L21 ANSWER 32 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1977:89650 CAPLUS

DOCUMENT NUMBER: 86:89650

TITLE: Photoreactions. 47. Internal photocyclization of  
bis(1,2-dihydroisoquinolines) and a  
methylenebis(naphthalenone)

AUTHOR(S): Nakamura, Yushin; Zsindely, Janos; Schmid, Hans

CORPORATE SOURCE: Org.-Chem. Inst., Univ. Zurich, Zurich, Switz.

SOURCE: Heterocycles (1976), 5(1), 427-43

CODEN: HTCYAM; ISSN: 0385-5414

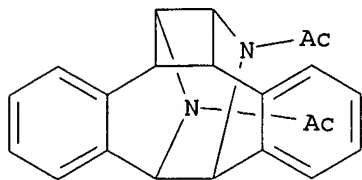
DOCUMENT TYPE: Journal

LANGUAGE: German

IT 61876-94-6P

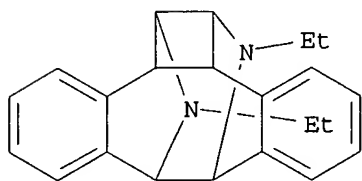
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation and reduction of)

RN 61876-94-6 CAPLUS  
CN Dibenzo[a,e]cyclobuta[c]cyclooctene-1,8:2,7-diimine, 13,14-diacetyl-  
1,2,2a,7,8,12b-hexahydro- (9CI) (CA INDEX NAME)

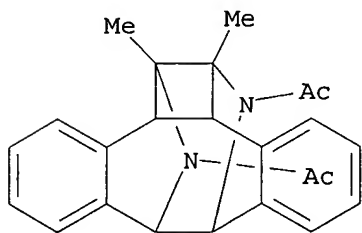


IT 61876-95-7P 61877-00-7P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

RN 61876-95-7 CAPLUS  
CN Dibenzo[a,e]cyclobuta[c]cyclooctene-1,8:2,7-diimine, 13,14-diethyl-  
1,2,2a,7,8,12b-hexahydro- (9CI) (CA INDEX NAME)



RN 61877-00-7 CAPLUS  
CN Dibenzo[a,e]cyclobuta[c]cyclooctene-1,8:2,7-diimine, 13,14-diacetyl-  
1,2,2a,7,8,12b-hexahydro-1,2-dimethyl- (9CI) (CA INDEX NAME)



L21 ANSWER 33 OF 33 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1976:18178 CAPLUS  
DOCUMENT NUMBER: 84:18178  
TITLE: New developments in photochromic polymers  
AUTHOR(S): Smets, G.  
CORPORATE SOURCE: Lab. Macromol. Chem., Katholieke Univ. Leuven,  
Louvain, Belg.  
SOURCE: Journal of Polymer Science, Polymer Chemistry Edition  
(1975), 13(10), 2223-31  
CODEN: JPLCAT; ISSN: 0449-296X  
DOCUMENT TYPE: Journal  
LANGUAGE: English

IT 57473-59-3  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(photodissocn. and recombination of, in polymer matrix, mech. of)  
RN 57473-59-3 CAPLUS  
CN 7,17[1',2']:8,16[1'',2'']-Dibenzeno[1,5]diazocino[1,2-b:5,6-  
b']diisoquinolinedium, 7,8,16,17-tetrahydro-, salt with

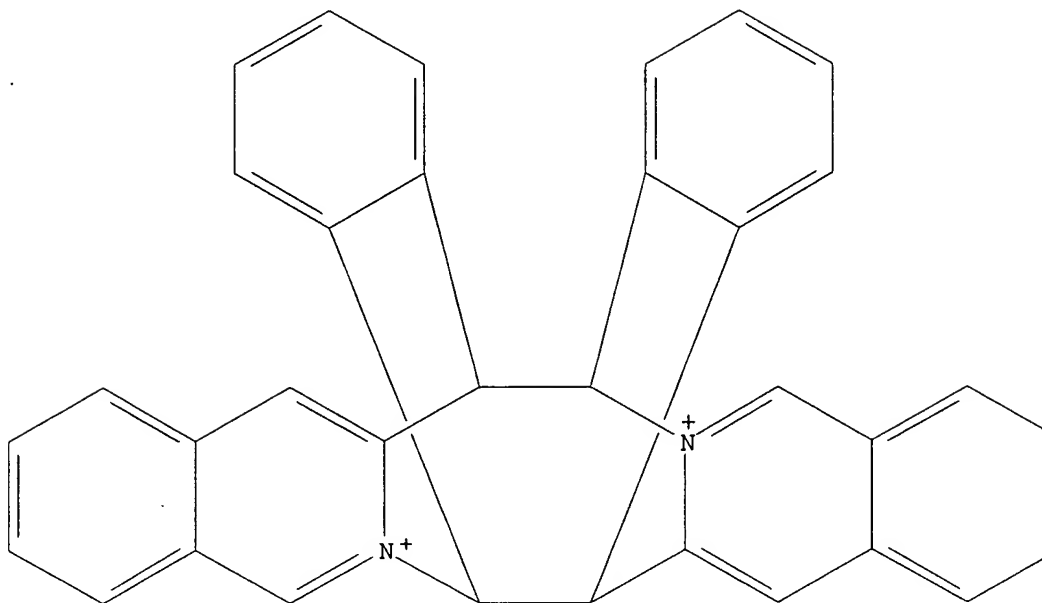
4-methylbenzenesulfonic acid (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 57473-58-2

CMF C34 H24 N2

PAGE 1-A



PAGE 1-B

CM 2

CRN 16722-51-3

CMF C7 H7 O3 S

